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Technical Note

18-16

QUARTERLY RADIO NOISE DATA
SEPTEMBER, OCTOBER, NOVEMBER 1962

W. Q. CRICHLOW, R. T. DISNEY
AND M. A. JENKINS



U. S. DEPARTMENT OF COMMERCE NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

Technical Note 18-16

ISSUED JUNE 10, 1963

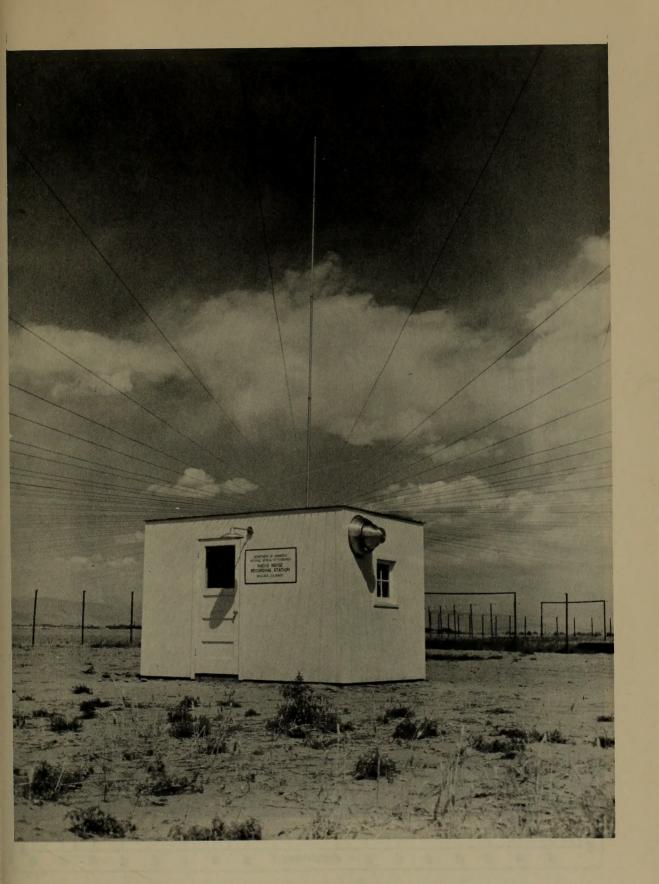
QUARTERLY RADIO NOISE DATA SEPTEMBER, OCTOBER, NOVEMBER 1962

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

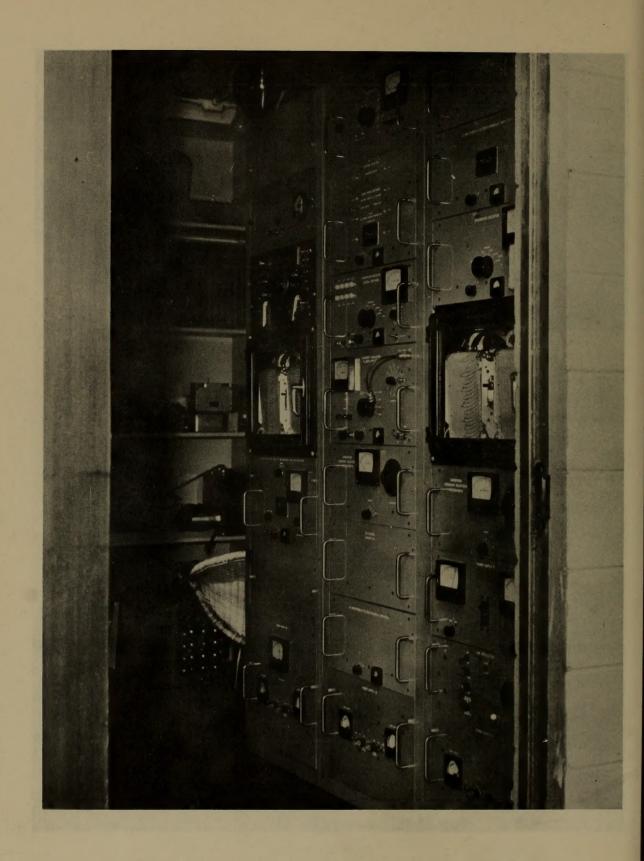
NBS Boulder Laboratories

Boulder, Colorado

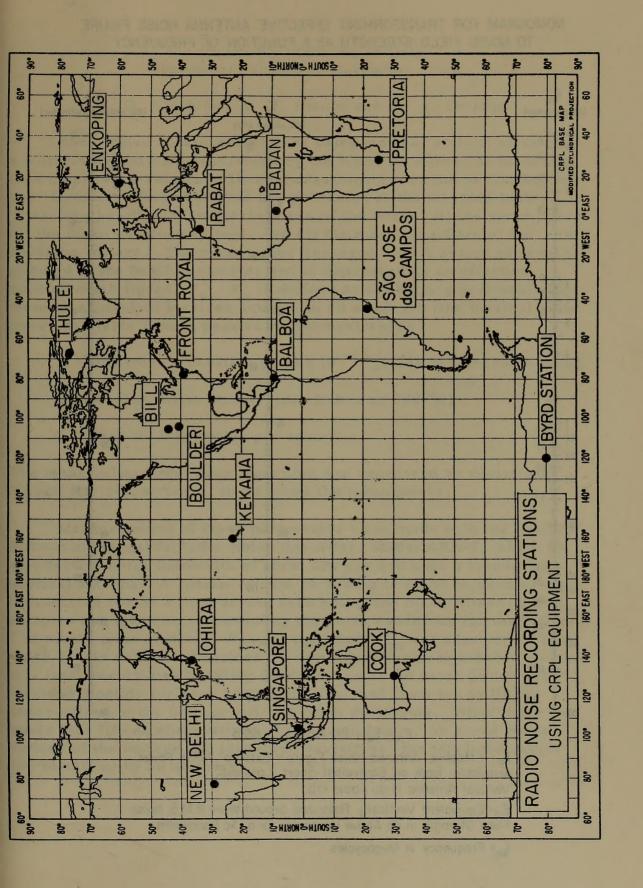
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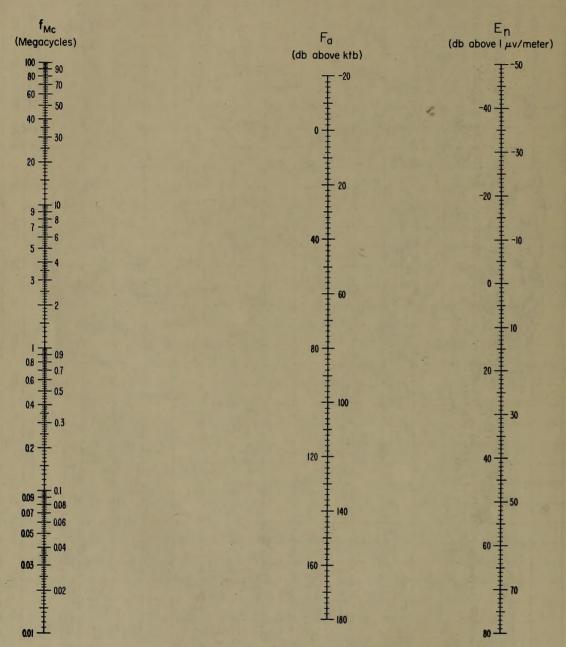
RADIO NOISE RECORDING STATION



ARN-2 ATMOSPHERIC RADIO NOISE RECORDER



NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



 $E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

 $E_n^{=}$ Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above $I\mu\nu/meter$ for a 1kc Bandwidth.

f_{Mc}= Frequency in Megacycles.

Quarterly Radio Noise Data September, October, November, 1962

W. Q. Crichlow, R. T. Disney and M. A. Jenkins

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period September, October, November 1962 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a . F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

K = Boltzman's constant (1.38 x 10 $^{-23}$ joules per degree Kelvin)

t = Absolute room temperature (taken as 288 °K)

b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, $V_{\rm d}$ and $L_{\rm d}$, respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am} , V_{dm} , and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am} , and designated by D_u and D_ℓ , respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

 $\mathbf{F}_{\mathbf{a}}$ in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} \sim 65.5$$

where

 E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 $\mu\nu/meter$ for a 1 kc bandwidth. f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, Ld. This contamination generally will cause the value of Ld to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitudeprobability distribution from the three measured moments [10], contaminated values of Ld may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of Ld be ignored and the most probable value of Ld from the curve on the graph of Ld vs. Vd be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of Ld that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If less than three months data are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São Jose dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore

The following publications contain additional information on radio noise:

- 1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.
- 2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).
- 3. F. Horner, "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Engs., Pt. B, 103, 743 (1956).
- 4. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).
- 5. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6,778 (1957).
- 6. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).
- 7. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V.L.F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.
- 8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).

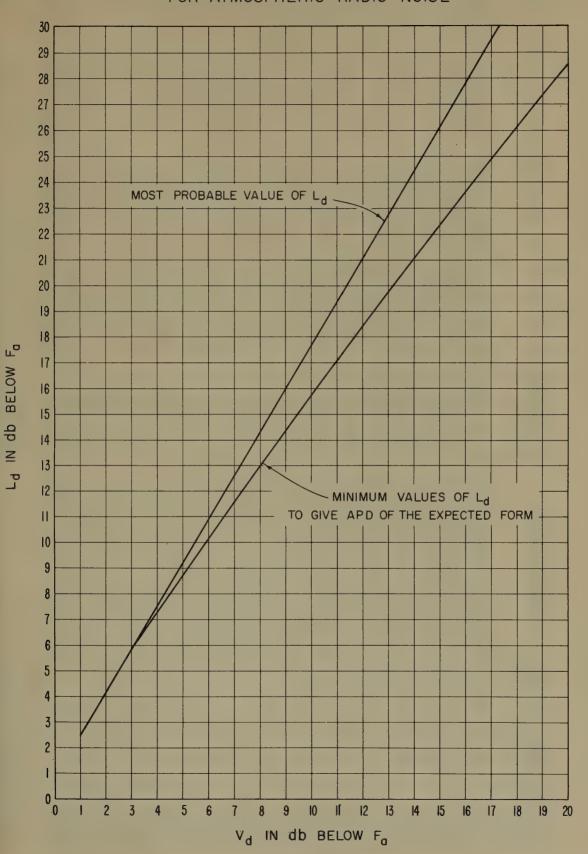
- 9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D, 2, 199 (1959).
- 10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D,1, 49 (1960).
- 11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D,1, 41 (1960).
- 12. A. D. Watt, "ELF Electric Fields from Thunderstorms," NBS J. of Research-D. Radio Propagation, 64D, 5, 425 (September-October 1960).
- 13. W. Q. Crichlow, A. D. Spaulding, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November 1960b).
- 14. URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).
- 15. C. Clarke, "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, During the International Geophysical Year," Proc. Inst. Elec. Engs., Pt. B, 109,47, 393 (September 1962).
- 16. A. D. Spaulding, W. Q. Crichlow, and C. J. Roubique, "Bandwidth Conversion of the Amplitude-Probability Distribution Function from the First Two Moments for Atmospheric Radio Noise," NBS J. of Research-D. Radio Propagation, 66D, 6, 713 (November-December 1962).
- 17. W. L. Taylor, "Radiation Field Characteristics of Lightning Discharges in the Band 1 kc/s to 100 kc/s," NBS J. Research-D. Radio Propagation, 67D, to be published (1963).

Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	September, October, November 1962	75 W	+05
Bill	September, October, November 1962		+07
Boulder	September, October, November 1962		+07
Byrd Station	September, October, November 1962		-09
Cook	September, October, November 1962		- 09
USNS Eltanin	April, May 1962		
	June, July, August 1962		
	September, October, November 1962		
Enkoping	September, October, November 1962		-01
Front Royal	September, October, November 1962	75 W	+05
Kekaha	September, October, November 1962	150 W	+10
New Delhi	September 1962	75 E	- 05
Ohira	September, October, November 1962	135 E	-09
Pretoria	September, October, November 1962		-02
Rabat	September 1962	GMT	0
Singapore	June, July, August 1962	105 E	-07
	September, October, November 1962		
Thule	September 1962	75 W	+05
Warrensburg	September, October 1962	90 W	+06

Previous data from the World-Wide Network have been published in the following Technical Note 18 series:

- 18-1 July 1, 1957 December 31, 1958
- 18-2 March, April, May 1959
- 18-3 June, July, August 1959
- 18-4 September, October, November 1959
- 18-5 December, January, February 1959-60
- 18-6 March, April, May 1960
- 18-7 June, July, August 1960
- 18-8 September, October, November 1960
- 18-9 December, January, February 1960-61
- 18-10 March, April, May 1961
- 18-11 June, July, August 1961
- 18-12 September, October, November 1961
- 18-13 December, January, February 1961-62
- 18-14 March, April, May 1962
- 18-15 June, July, August 1962



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 $F_{\rm om}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ ² median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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		Fam	2	23	23	2	23	5	156	75	25	25,	27	27	31	33	35	33	33	3/	27	27	25	23	73	2
		Ldm	6.0	\$:0	7.0	2.0	* 2.5.	4.0	45	4,0	*0.	10.0	5.0	¥ 10.0/	4.5.	* //. 0	9.0	5.9	6.0	6.5	5,57	6.5	75	6,0	2.5	*6
		Mp/	3.0	* 4 10	40	30	* 5.	* 2.5/	2.0	* 2.5-	4.0	2.0	3.5	e.5.	* 2.5	7.0	25.5	5:5	40	4.0	3.0	35	45	4.0	3.0	*W
	10	DZ	7	7	4	7	9	1	4	7	7	7	7	7	4	9	2	7	7	2	7	9	00	9	2	0
		Du	7	0/	6	1,5	9	4	4	9	4	4	9	4	5	9	8	6	7	3	4	9	4	00	8	00
		E D.	7	42	11	39	38	hh	9 1	77	0 /2	38	36	36	38	30	46	94	18	5h	50	18	46	40	04	42
		Ldm -	7.0 4	4 5.9	8:0	7.5	9.0	10.01	* 6 0.6	10.5	11.5 1	0	\$ 0.0°	48-	*//0//		15	15:51	, 0.0/	40.0	2	6.0	7.0 1	0	9.0	7.5 1
		Vdm L	4.0 7	30 6	4.5 8	4.0 7	5:5	* 0.5	0	۲,	* 0 K	7.0 /0.	0	0	7.0 /		6.		¢.0.0	* 5.5 //	50 2	10	10	\$ 0.5	* 0.9	45 7
) Y O			* 2.	4	7		* 7	9		2	*1	£ 6.		1	* 4 1/2	47			الم الم		* "			
	5	ם, ו	9	4	2	4		6 4	9	00	10		<i>∞</i>	4 0	12 4	5 6	101	7 7/	7 9	0		4	4	00	9 +	7 7
		Fam D	60 2	60 2		0	~ ∞		200	~	44 8	8		36 10	7/9	1 50	7 5	1 05		5 85	63 5	4 29	9 0	62 6	h 85	7 85
	-				1/2	2	5-8	5 58	58	5		38	38 0		36	3	_		5.		=		9 0			7
		n Ldm	* 0%	5.6	8.5	6.0	/0.0	11.0	4 0	+3		* 19.0	¢.0	15:0	* 7		0175	5 19.5	16.0	* 15.5	4 //.0	9.0	6.	0.8	8.0	0
		Vdm	45	5:5	4.5	4.5	45	* (5:5)	i~*	*0	*%	* >	7.0	*0:	* SS		12.0	* \2.5	* 6 12.	*0.	is'	5.0	5.0	45	2,0	ω, , ν
	2,5	70	Ŋ	7	9	9	W	7	6	16	6	~	6	্	10	16	22	17	10	10	S	00	7	7	m	2
(Mc)		Du	9	5	4	4	η	9	0	7	16	16	2	16	14	15	18	7	18	7	h	9	^)	8	5	2
		Fam	67	89	69	11	70	69	01	33	3	37	34	39	37	46	59	19	S	57	63	69	9	67	99	67
) Suc		Ldm	10.0	10.0	0.0/	11.0	13.0	18.0	\$ \$.5	*	* 67	*/55/	14.0		* 23.0	4.0.6	\$ 23.0	*	18.0	/3.5	9.5	9.0	9.0	10.0	10.01	0.0/
Frequency		Vdm	6.0	6.0	6.0	2.9	2.0	*	13.5	17.0	*0.0	4/3.0	\$00		16.0	4.0	145	12.0	0.//	8.5	5.5	5,0	6.5	\$ 0.0	6.0	5.0
F	495	J'd	4	4	ری	6	<i>∞</i>	17	べる	حرر	1	10	7	10	14	17	19	, ~	10	/3	9	3	7	76	\sim	2
		Dn	e	7	9	9	4	7	7	61	27	2	pho	20	لالم	91	7	18	14	6	6	0	9	4	5	12
		Fam	701	102	201	102	107	44	3	90	38	50	28	80	88	86	106	98	86	96	100	001	100	100	101	701
		Ldm	12.5	12.5	12.5	12.5	/3.57	16.0	19.0	22.0	4 0.61	\$ 0.00	18.5	20.0	18:0	* ×		0.03	19.0	16.0	14.0	12.5	13.0	13.0	130	0.6
		mp,	8.0 /.	7.5-	7.0 /	7.0	7.0	9.5	// 0 //		13.0 /	13.0 %	11.0 1	0.6	* 15.01	¥,3:5/	15.5 25.0	12.0 20.0	13.0	10.0	8.5	7.0 /	8.0 /	7.5 /	75/	7.0 /
	160	D V Vdm	7			Н		8	7	1 28			15-1	14/	* ~	14 /		7 /	13/	فننفذ	9	3	4	7	3	
		Du	9		00	7	9	_	15/		22/9	8	7	/ 8/	181	17/	9 /	9/	6	/ ۲/	5	5	9	5	7	9
		Fam C	123		27/	123	1,23	1 10	114		601	111	106	109	113 /	171	رد	1911	733	117/		120	121		८८/	133
		_	145 1	11.0 15.5 125		13.5	14.5	15:0	18:0	18.0	10.01	* 19.0	v.9/	135/	16.5	16.0	12.0 18.0 127		120 1	120 1	16.0 121			14.5 121	14.5	
		De Vam Lam	9.0 14	0 13	9.0 15.0	8.0 13	8.5 14	95- 13	* 5.1/	8/ 01/		* * * /3.0 /9	* 0	\$00.8	10.01	10.5 /6	8/ 0:	*13.0 t4.5	11.5/1	11.5 17	10.01	7.5 13.5	10.0 16.0	45 14	9.5 ly	10.5 16.0
	051	1 Va			_			_	* >		2 9.5	1											_			
	0.		8	7		~	9	9	1/6	01 9	7		9		7 0	9 0	9 6	7 4	9	6 6	12	2	~	~	4	7
		m Du	3 6	51	45	3	3 %	3 %	H 6	37 16	/33 /7	3 14	15/16	7 10	01/6	3 10		_			5	9 1	7	11 8	6 11	13 6
		Fam	143	14	144	5 143	16.0 143	- 143	139	137			135	, /37	137	143	5 145	13.5 143	143	7/1/0	141	141	142	141	141	143
		Vdm Ldm	12.0 17.5	11.0 17.0 145	16.0	15.5	16.0	10.0	17.0	0.5/ 0:0/	11.0 16.5	11.0 17.0	11.0 17.0	11.0 16.0	11.0 16.5	16.0	14.5		14.5	16.0	9.0 15.0	15.0	16.0	11.5 17.0	10.5 16.5	10.0 16.0
		\dn				9.5	10.5		0.01	100			11.0		11.0	70.5		8.5	9.0	10,5	30	9.0	9.0	11.5		
	013	γ _Q	7	7		7	4	2	5	7	6	7	7	7	4	7	7	7	8	7	~	7	~	0	~	2
	0	Du	4	5	4	7	00	9	0	7	6		5	9	7	h		9	5	h	h	3	8	7	m	0
		Fam	164	164	164	164	163	164	162	160	160	160	160	161	164	166	168	891	17/	166	791	164	/63	791	791	163
(TS	۱ (۲	noH	00	ō	02	03	04	05	90	07	80	8	0	=	12	13	14	15	91	17	81	<u>6</u>	20	21	22	23

19 65

Month October

Station Balboa, Canal Zone Lat. 9.0N Long, 79.5W

MONTH-HOUR VALUES OF RADIO NOISE

 F_{am} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

2 4

0

1962			D& Vam Lar	* 0.8 \$ 5.0 %	2.5-4.0	* 0,X	4.5 6.5	2.0 3.0	* 3 × 3	x 0,x	45 4	45 50	* 0.7 Si	× 0.5	* 6.	5.5 7.5	4.0 6.4	* 0.9	45 5.8	* 0.5	40 5.	4.0 6.	* 25. 2. 2. 2. 2. 2.	3.0 3.0	35 45	3.0 4.	3.0 3.0	USCORMANDS-PL	RN-I
		20	70	4	3	~	~	જ	~	4	જ	5	72	-9	-9	ī	9	e	7	9	7	7	ત	4	h	べ	4		
Month November			na	7	2	m	8	Μ	2	7	٠	\sim	7	7	و_	4	4	9	h	~	~	\sim	9	4	~	4	4		
ven			Fam	7	70	10	7	70	7	23	23	25	75	74	27	49	29	29	29	29	27	25	23	23	23	10	70		
			Ldm	7.0	7.0	5.0	6.0	4.0	5.0	6.5	7,5	7.0	× 5,5/	£ 2.5	* 5.5	6.5	5.0	6.5	4.0	4,5	6.0	6.0	× 0'5	7.0	6.0	4.0	3.0		
on t			DE Vom Lom	* 5.0	* x	73.52		3.5	40.4	4 %	12.7	, t.	* "	47	40.70	*	3.05.0	5.0	45	£\$.	£ 2°	عدن		-	4.0	2.5	3.0 5.0		
ž		10	γď	2	5	2	7	2	00	5	7	7	~	7	e	4	7	7	4	7	4	2	~	2	4	9	4		
×I			na	7	11	7	9	2	9	~	9	4	7	8	4	9	4	4	7	4	~	7	7	4	7	0	00		
9.51			Fam	39	37	35	33	33	39	47	43	39	37	37	37	37	39	41	43	47	47	47	14	39	37	39	39		
Long. 79, 5W			Wp7 mp/	9.5 39	9.0	8.5	8.0	9.0	13.0	11.5 47	9.0 43	6.0	8.0 10.0 37	0.3	6.0		5.0 6.0 39	8.5 13.0 41	7.5 12.0 43	7.0 12.0 47	8.0	8.0	9.0	8.0	9.5	8.0	9.57		
-ong			*up/	5.5	6.0	6.0		5.5	7.5%	6.5	5.0	3.0	. 0;	10.0 12.0	4.5	6.5 10.0	5.0	8.5	7.5	7.0 /	5.0	5.5	6.5	5.0	5.0	2.4	5.5		
- 1		5	De	7	4	7		~	7	4	٠	9	9	_	00	4	9	00	6	7	4	4	7	9	4	4	7		
6		,	no	m	4	~	4	7	9	Μ	9	00	5	5	10	•	0	0/	1	9	12	4	00	7	7	7	~		
Lat. 9.0N			Fam	54	54	3.5	7.5	5,2	15	54	76	04	36	34	34	200	36	4	46	20	5,0	0 9	5-6	2.8	5.2	54	75		
				*	=	* 15.11		13.0	¥.5.9/	* //.5.//		1,0	*55	*00	¥ 5.5	* 0.0		_	\$.0	7.0.	¥.0	* 5.5		7.0 12.0 5-8	11.0	10.5	12.		
Zone			Vdm Ldm	\$ 0.0	4.5- 7	* 0:5	9.0	8.0 /	* 0.0/	40.6	40 40	8.0 1	4,0,4	13.5	4°50	3.0	3.0 4:0		م* دح	50.	* % %	75.	6.5 10.0	7.0	6.51	*75.	**		
1 Z		٠,	70	* 8	e**	7	45	6	• *	* //	4	* 0 /	* 9	*1	٠,	. *	<i>∞</i>	/3	13 *	00	7	7	4	7	5 6	* b	7		
Can	<u>်</u>	2	ρ'n	e	· 🗠	0	00	72	00	9	15	16	81	/3	`^	2	74	13	3/	0	1.	5	e	7	5	4	9		
oa ((Mc)		Fam	19	19	-	_	5,5	19	5.5	4	37	32	32	310	3/	33	==	43	43	47	55-	57	5-6	25	09			
Station Balboa, Canal	S			* //.s_	14.0	14.5 6	15:5/	17.5	7,5	* 0'/6	19.57	40.65	0.0	3.5			14 125 195 33	* 0.55	3.0.6	3.0 %		14.0	*//.5		2.5	0.0/	12.0 59		
- [Frequency		D& Vdm Ldm	*/5.	* 2	*0.9 */	\$ 0.8	* * *	13.0 /	× 0.4	4/2.0	74.57	0.000 0.41	75.5 23.5	* 5 * 3.0	140 23.0	2.5/	15.	15:5 23:0	140 23.0	8.0 × 4.0.8	10.01	8.0 //	6.0 *	8.0.	7.0 /	6.0		
atio	Fre	495	\ 7a	* 5	1.	100	*~	1 0/	* 01	* 1	* (*)	* /	0	00	<i>₽</i>	e *	14 /	255/ 06	* /	/3 *	ال.	5	9	e*	200	1	9 9		
Š		•	٥	6	9	2	9	6	7	18		23	27	27	20	20	18	9/		12	8	5	6	7	<u>ل</u> م	7	7		
			Fam	97	99	66	99	97	68	83	8023	79.	74	77	17	95	89	93	44	68	68	95	97	62	99	99	86		
Щ		-	mp	9	16.0	5551		=		4 × 00.50		\$0.0%	23.0	18.5	17.0	¢.0	4.0	19.5	21.0	22.0	18.0	15:0	3.0	13.51		_	0.5		
NOISE			D& Vdm Ldm	90 150	# 10.0/	90 /5	10.5 15.5	8 12.0 18.5	* 0.4	2°	24 /3.0 20.0		15:0 7	15:0 1	* 01/	* 0 ·/	13.0 /4	* 0.E/	* ~ O.7-1	15.0 24	120/2	*?!	\$ 0.8	* 0.	10.5-13.0	10.0 15.0	0.51 0.01 11		
		.160	\ 7 d	6	* 8	9	7 /1	8	* 41	30 16.0	* tr	23 /3.0	18 1	16 /3	15/	16 11	10 /	16 13	*/6/	19 /5	* ?	7	7	10	9 11	11 /			Wer
8		-	Du		00	00	>∞	7	6	7	00	16	77		9	7	~	, e,	70,	1	1	9	00	0	7	5	7	۵	d n
74			Fam	120	00/	120	120	120	811	113	104	108	00/	100	105/	1 801	1	114	9/	9/1		15/	9//	9//	07/	/20	100	re k	THEG
lı.			#		17.0 //										* /6.0/	15:0	1.0	* /7.0 /	-	80 /	12.5 17.5 109	17.0 /	16.0	0.		16.0	10 125/125 120	ode c	below below
ō			D& Vdm Ldm	12.0 17.0	12.0 /	12.5/	12.0 17.5	13.0 19.0	13.0 18.5	13.5 18.0	17.5 23.5	16.0 21.0	13.0 18.5	14 /3.0 19.5	12.0 /1	9.5 15	£.0 /4.0	* 0. K	3.0 1	13.0 19.0	151	11.5/17	10.5	10.5 16.0	11.0 17.5	11.5/11	15.	=	유트
S		051	³ / ₂ 0	0	7 /	2	100	11 /3	10 13	11 /3	*:	15/1	16 /	4 /3	7/2	90	6 t	* 6	* 0 /	6	0	11 8	0/6	7/10	9	9	0/0	nolse db	ige ithm
Ŋ		•	Du	0/	∞	7	8	5	7 /	1 5	\rightarrow	14 /	==	=	14	0	9	9	10:1	6	2	9	7	7	2	~	101	tenna lan tr	volta
\ 			Fam D						/39		7	1 601	129 14	182	/31/	/33		39	139 1	135-		/35 (/37	-	_	139	37 /	med med	erage erage
~				13.0 18.0 137	12.5 17.5 139	12.0 18.0 139	11.5 120 139	141 0.81 0.61	_	12.0 17.0 135	01 45/ 175 12/ 0		0:	130 180 128 17	===		11.5 16.0 /35	11.5 16.0 139			5 125 175 135	0		13.0 19.0 137	6 12.0 18.0 137		13.0 18.0 137	fectivitie to lowe	of of
Ä			Vdm Ldm	.8/ 0:	11/2	9/	* C	9/ 0	13.0 18.0	0 17	5.17	125 175	13.0 18.0	0:	12.0 17.0	11.0 16.0	12	5 /6.	12.5 175	11.5 16.5	5/7.	14.0 19.0	12.5 18.0	0.	8/0:	12.0 17.5	0.	r dec	tion tion
웃		~	0 NO		5 12		1/			_	2		الناكنة	8 13	8 /2	5- 11.	/* e	9	7	15	10	12	20	7 /3	9	9	4 13	value uppe	devia
MONTH-HOUR VALUES OF RADIO		. 013		9 8	5	2 6	5	7 6	6 7	5 7	2 5	7 7	6 7		9	-	7	4	2	5		15	-		5	5	9	$f_{\alpha m}$ = median value of effective anienna noise in db above k†b D_{μ} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db	V _{dm} = median deviation of average voltage in db below mean power Ldm= median deviation of average iogarithm in db below mean power
Z			Fam Du	159 8	6 551	191	15-9		7 191	161 5	158 /	157 7	157 6	9 151	159 6	160 3		, 59/	163 8	162 5	1597	158 3	156 4	166 3	15-9 5	15-9 5	159 6	E	E E
MOM	(TS.	۱ ۱۲	uoH r _c	00 /3	01 /5	02 /6	03 /5	04 161	05 //	90	07 //5	08 //5	60	10 //s	1 /2	12 /6	13 /6/	14 //	15 //	9/ 91	17 15	18 /5	19	20 //	21 /5	.22 /5	23 //5	200	בְּ כֵּ
	(13	1) 1		0	0	0	0	0	0	0	0	0	0			=	-				-	-	-1	N	0	ú	N		

Fig. 1.0			*=		_			0			_		١.		. 0	10	٥	0		0				La		0	0	
Color Colo			Ldn	\sim				10.0	6.0	6.0	5.6	4.0		6.5		-0	- 1	6								6		
Color Colo				3.5	3.0	4.0	3	9.0	(5,5)	4.0	40	20	3.5	5.5		5.0		4.5	4.0	2,4	200	3.5				8.0	6,5	
Frequency Application Ap		20	=	7	7	7	0	~	0	1	~				×	4	8	7	7	4	7	γ	4		0	ィ	4	
Part			Da	7	ત	7	~	0/	00	w	16				9	4	7	3-	9	7	9	7	(10	7	6	7	
Part			Fam.	72	76	26	20	26	24	757	26	700	5×	40	70	28	20		30	30		26	78	26	26	26	26	
Frequency Main Main Same Laboratory Main Mai				==		=		=	☴	_	0	0		=	==		17	0.	اد,	0:0	5.0		=	≡			ارا ا	
The control of the			*#P/	0		0	72	1,2	0	=		0				0	0	0	١,٧	_	9	0				0		
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Colorary		1(ρď	0/						7										7	3	9	8	9		įď	00	
Color Colo			Eo	37	35	35,	35.	35	39			36	33.	33	_	36			_	-		53	15	C	15/	13/		
Colored Colo									-	0					===	=			\equiv						_	==	0	
Frequency (MC)			* Ep	15	0			5	ó	0		0			-	15		0		0		0	==				0	
Cold			\ 10											3														
Part 18 Part Pa		5										==			্ৰ		~				0							
1013 Vam Am Em Du Du Vam Am Em Em Em Em Em Em E											10		30	27	_						5	0	6-	9	0			
1013 1014 1015 1016				_					$\overline{}$	_	_		==		=				=		=			,2	_			
Color Colo						ᄑ		0		_		_			_	9	- 4			0	9	5	=		0		_	
Cold		2											~	3	_^													
Frequency (No. 1013) 5. 4 1/5 1/40 1/34 5 6 70 1/10 1/2 70 1/4 6 8 70 1/40 9 8 6 70 1/40 9 8 7 7 7 7 7 7 7 7 7	⊙	2.														m						-						
Frequency - 013 - 001 - 160 - 495 - 101	3								_				0	3/	0	1 /	_				0	0	7			8	00	
Frequency of the property of t	5						14			0	=	9	7	=	0			0		0			_			=	9	
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013 014 015 016 017 018 019 019 019 019 019 019 019	req	2) Z V _c			==	==	_				*_	**	4 ^c (v)			M						7.	سننسس	6.	7.		
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To Lou To Lou						=	_	-			_		~		*		_	=				_	_			_		ľ
13 / 40 / 4 / 6 / 13 / 16 / 16 / 16 / 16 / 16 / 16					/3	136	136	/3((5)	/30	70	7	*5	733	13.	(3,	1/3	/3(6		/35	/34	/38	13.	1/38	/3	1/3	7
15 /64 / 6 / 6 / 6 / 6 / 6 / 6 / 6 / 6 / 6			Ldm	19.0	0.6/	195	30.1	0.61	2/.0	21.0	200	্ব	* 78	* 19	19.0	17.0	16.0	16.0	15.0	16.5	15.5	16.0	17.5	18.0	18.0	19.0	19.5	1
C C C C C C C C C C			/dr	5:11	511		1/.5	3,5	/3.0	/3.5	14.0	14.5	*0.	*%	5//	0.0/	9.0		500	0.0/	9.0	9.5	/0/		11.0	97/		
Hour (LST) Hour (013			-		7	2	e	_					J		7	3	۰	9	7		-					
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23 22 2 2 2 2 2 2 2 3 2 4 3 2 5 7 4 3 2 5 7 4 6 7 6 8 6 7 7 6 7 7 8 7 7 7 7 7 7 7 7 7						162		160	160	15-8		158	4	4	1 × 2		===	491	164		162	162			162	162	79/	
	(TS	ר:	поH	8	ō	02	03	04	05	90	07	98	60	0	=	12	13	4	15	91	17	18	6	20	21	22	23	

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\hat{\mathcal{E}}}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power Ldm = median deviation of average logarithm in db below mean power

RN-13

7			Vdm Ldm	30	0.0	رئ.	12,0	15.5	م.ه	4.0	3.5	4.0	+ 5	4.0	5:0	5.5	* 5°	7.0	5.0	4.0	3.0	15.4	3.0	2.5	6. 0	3.0	3.0	
19_62				* 0.5	1.0	1.0	1.0	1.0	1.0	* * 2.0 7.0	7.5	2.0	*5	4.0	35	2.5	\$ \chi_1 \chi_2	40	3.0	0.0	1.0	7.5	7.5	1.0	7,5	7.5	1,5,	
_			70	0	0	0	0	0	0	જ	7	7			(2)	76	2	3	4	4	ત	જ	7	7	々	જ	0	
Der		20	na	4	7	7	જ	~	γ	જ	~	ィ			7	00	2	4	4	h	ィ	٥	γ	0	0	0	4	
October			Fam	74	24	2.4	7	44	ht	75	28	78	*2	*2	30	30	32	32	32	30	7	3	2	77	26	70	4	
			Vdm Ldm	5.5	5.0	5.0	3.0	5.0	5.0	6.0	57.5	5.0	\$.0	40	5.0	5,0	6.0	5.0	4.0	6.0	0.9	5.5	5.0	45	45	4.0	2.5 S.0 24	
Month			Vdm	30	3,5,	12,	151	3,0	3.0	4.0	3,0	3	* m	* &	2.51	0.0	3,0	<i>ي</i> 0	0.0	20	3,0	9	30	ار در	15.4	اک ہم	2.5	
Σ		10	DE	01	00	7	7	7	8	4	~	3			9	7	h	7	7	9	0	•	へ	9	7	e	10	
2W			na	7	e	01	00	9	7	9	7	ぺ	·		7	00	9	4	7	4	૪	3	7	7	11	00	10	
105.			Fam	9.0 43	7	35	35	35	37	39	35	35,	*~	*~	33	33	35	39	43	47	5	49	47	73	39	39	8.5 43	
1			Vdm Ldm	6.0	9.0 4	0.0	8.0	9.0	9.0	7.0	5.5	9	2.0 4.0	+ 7	4.0	6.0	6.0	2.0	7.5	6.0	7.5	500	8.5	8.0	8.0	8.0		
Long.			/dm	5:0	5:0	o'j	4.5	5.0	5.0	3.0	35	25	· ~	* S	20	4.0	3.5	4.0	4.5	4.0	4.0	-S. %	4.5	5:0	20	4.0	45	
		2	70	~	9	9	9	00	8	۲,	9	2	4		7	e	•	2	6	/3	\	4	8	8	7	e	7	
43.2N			n ₀	7	ィ	7	જ	7	00	2	9	00	W		11	10	9	00	6	00	00		10	4	00	9	9	
Lat.			Fam	55	5.5	54	25	5.4	5	44	36	80	7%	40	~	44	76	28	34	42	148	5,2	54	45	द	54	25	
_			Dr Vdm Ldm	95	9.5	9.5	2.5	5.5 10.0	0.01	5:0	6.0	*	¥ 3°	* 5	3.5	4.5	3.5	ج. اک	6.0	6.5	8.5	7.5	75	7.5	9.0	0.0	9.0	
bu			νqu	5.0	ري ه (غ	5,0	5.0	5,5	15.72	3.0	4.0	76	+3	+1	1.5	2.5	7	7	4.0	4.0	5.0	4.0	جي 72	4.0	5,0	4.5	5.0	
Wyoming		2, 5		7	9	~	00	6	00	7	9	7	2		7	2	4	4	4	7	2	10	9	12	10	00	00	
Vyoı	(Mc)		n ₀	9	و	00	∞	7	00	(2)	12	0	00		7	4	4	12	10/	18	14	0/	10	10	7	9	2	
			Fam	63	63	19	79	9 -	5.5	43	33	28	126	*7	7	25	25,	976	29	33	49	157	13.0 6 0	63	63	140 63	10 7.5 13.0 63	
Bill,	Frequency		De Vem Lem	7.5 140	7.0 13.5	15.0	0.9/	5.9/ 0	9.5	5.9	5.0	5.0	* 5	* 5.5	5.0	5:0	0,0	٥	5,0	٥ کزه	10.0	7.0 12.5		12.0	13.5		/3.0	
Station	redu	495	/dn/		7.0	2.0	8.5	10.0	6.5	4.0	° ;	<u>بر</u> رکز	* ~)	4,0	ري. ري	2.5	2.5	2.5	12.5	2.0	45	==	. 7.0	7.5	7.0	2.0	7.5	
Stat	Ī	4		4	8	و	1/	10	9	4	9	00			~	00	9	00	9	00		16	- 15	/3		0		
			۵	10	00	9	9	9	~	7	2	00	-	8	0	1 7	9 0	9	7	13	13	7 7	7	7	9	7	7	
ы			Dr Vdm Ldm Fam	06 0	5 92	93	6	88	68	8-50	35	58	100	\$ 5-8	85	5.5	2	09	090	49	2 78	88	92	92	46	3	200	
NOISE			L-dm	8.0 14.0	14.5	- 15.0	17.5	11.5 20.0	10.0 18.0	11.0 19.0	9.0 175	9.5 17.0	10.0 15.5	16.0	- 16.0	15.0	13.5	14.0	0:51	/3.5	13.0	14.0	14.0	14.0	14.0	140	14.0	
Ž		0	Vdn		8.0	7.5	9.0	///.5	10.0					4.0	-5.0/	0.0	0.0	8.0	8.5	7,5	6.5	7.0	2.0	2.0	7.0	2.0	7.5	
0		.160		00	2	9	00	11	8	0	16	~	14		9/0	1	20	7	23	1/		2	7	7	00	00	9	
AD			n Du	00	8	7	0 7	7 9	6 8	1/8	82 16	80 20	2/6	9	0/0	1	0	2	7 /3	9 15	9	2		0/8	00	00	0 2	44.1
<u>ac</u>			D& Vdm Ldm Fam Du	110	6.0 11.0 110	110	011	107		5 84	0 8		11 08 OH1 06	98 0	98	9	90	2	260		2010	106	20 115 108	80/	011	- >	5.5 9.0 110	ah ann
P			n Ldr	6.0 9.0	0 1/.0	5.5 9.0	6.0 10.0	0.6	7.5	7.5 12.5	7.5 12.0	12.0	71	11.0 17.0	9.5 14,5	8.0 13.0	0 110	7.0 12.5	120	6.5 11.0	6.0 10.0	7.5 14.0	0 11,5	6.5 11.0	- 9.5	9.0	7 9.0	47
S		051	√ Vdr	_	ė,	5,5	9	6.0	4.5		=	000		*			8.0	7.6	7.0			فست			5.5	5.5		1
H.		0		c	9	2	00	-9	2	0/	2	00	9		-	00	0	5		0/	7	00	e	00	9	1	9	2000
AL	1		D C	9	15	7	12	2	4 0	7 /1	0	6	10	l.	2	0	2	0	9	00	00	0	00	4 7	15 7	4 5	7	- and
_			F _{Q1}	-1/3	134	134	6 /34	/3	13	0	2	7	(Z)	+ 0	7	2	70	70	4	13	3	13	1/3	134	13	13,	1/3	Localina
H.			n ^L drr	11.0 175- 134	0.81 011	11.0 18.0 134	451 0.61 O.CI	LES 19.5 132	13.0 20.5 130	12.0 do.0 127	13.5 19.5 126	13.0 20.0 124	12.5/9.5 123 10	11.0 120	EC1 271 211	17.0	10.0 16.0 125	9.61 5.51 0.8	60/ 0.9/ 0.01	11.0 17.5 130	11.0 18.0 128	11.5 18,5 130	12.0 19.0 132	11.0 18.0	11.0 19.0 134	12.0 19.0 134	1/8.1	of att
오		013	D& Vdm Ldm Fam Du	2 11.0				_	4 15.			_		*;		4 10.0 17.0 126				4 //.			-	_	11.6		2 11.5 18.0 134 4	origon
Ŧ		. 01		_	2	2	2	2		7	2	9	7		Μ		2	0	5		~	7	7	9	7	7	2	nodian
Z			m Du	7 8	9	9	2	5 5	6 2	٥,	7	4	5_3	9.	و	7	2	7	25	2	9	15	5 8	9	7 8	100		94
MONTH-HOUR VALUES OF RAD	///	7)	Fam	351 0	851 1	02 /5-8	03 15%	04 150	05 156	6 15-6	7 154	8 154	-5-5/	9_5/ C	155	2 156	3 156	4 15-8	5/57	15/ 91	7 156	18 15%	85/ 61	20 158	8.51	22 /58	23 157	u
	(TS.	0 1	noH	8	ō	Õ	0	Ò	ő	90	0	98	60	0	=	12	13	4	-5	=	-	=	=	20	2	10	2	

 F_{Gm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{X}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

USCORM.NES.RL

Bill, Wyoming
Station
NOISE
RADIO
ES OF
VALUES
MONTH-HOUR

Month November 19_62

Lat. 43.2N Long. 105.2W

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		m Ldm	3.0	3.5	3.0	3.0	ري ري	ر ک.'د	3.5	40	0.50	17:5	4.0	5.5	5.0	5 45	5.0	5 45	3.0	0 3.5	3.5	3.5	3.5	3.0	Λj	2.5
		Ndm (1,5	0.0	1.0	1.0	1.5	/,5/	80	2.5	^;	* %	₹°0.	* 4.0	3.0	~	2.5	Ý	1,5	Ŕ	۵.۲	2.0	2.0	1.0	1.5	0./
	20		0	0	0	0	`	~	~	~	イ	_		~	~	~	γ	8	8	ત	7	જ	3	0	0	0
		n _o	٦	~	٦	~	/	0	W	~	2			~	2	Μ	7	4	٦	0	0	0	0	7	~	ત્ર
		Fam	23	23	23	23	24	25,0	25,	77	8	*~	ナイ	29	49	29	77	27	Z ST	25	25	120	25%	23	23	5:0 23
		Ldm	5.0	4.0	5.0	5,0	5.0	3,0	3.0	5.0	4.0	5,0	2:0	4.5	اک	45	45	40	5.0	4.0	4.0	4.0	45	40	45	5:0
		Vdm	2.0	2.0	7.5	2.5	2.5	2.5	8.0	2.5	2.0	¥ €	75.5	2.5	2.0	2,5	0.7	1.6	2,5	2.0	۵.۶	9.0	2.0	2.0	2.0	2.5
	10	Y _Q	9	8	11	1	6	h	~	h	و	2		5	h	8	~	5	4	7	00	7	7	9	9	9
		Du	6	8	00	11	4	4	7	3	~	00		1	~	7	4	4	3	و	7	10	12	8	7	7
		Fam	43	42	44	7	43	38	40	38	38	34	24	34	34	36	04	46	18	46	46	40	38	42	42	44
		Ldm	6.0	2.0	7.0	7.5	7.5	6.5	6.5	7.5	5.0	30.34	0.5	3.5	0.0	40	4.0	4.0	5.0	ورج	5,0	5.0	6,0	6.5	7.0	7.0
		Vdm	3.0	3.5	4.5	4.0	4.0	3.5	2.5	3.5	30	0.		1.5	2.5	2.0	2.0	2.0	3.0	3,0	2.0	3.0	3,5	3.5	12.5	4.0
	ינו	Za	~	4	2	e	7	7	7	9	7	7		4	7	7	9	6	00	0	e	7	7	4	e	7
	,	Du	12	10	9	-	7	6	5	9	-	00		4	7	4	9	7	و	9	4	5	1	12	3	15
		Fam	5.0	50	50	50	50	84	44	3	30	75	26	ho	he	25	80	34	40	44	46	46	46	47	84	18
		Ldm	6.0	6.5	2.0	7.5	7.0	7.0	6.0	8.0	4.0	4.0	4.0	4.5	3.5	3.0	40	4.0	6.5	6.0	7.0	7.0	6.5	2.0	2.0	
		Vdm	35	4.0	4.0	4.5	4.0	2.5	3.5	5.0	2.0	2.0	2.5	3,0	0.0	.5_	2.0	2.0	15.5	3.5	4.0	40	-\$;E	3.5	4.5 7.0	45 7.5
	2, 5	7 ₀	7	7	7	2	4	べ	9	w	ď	7		7	76	m	3	m	6	00	7	4	જ	7	m	7
(Mc)	7	Du	9	10	14	14	16	18	17	∞	5	4		9	~	7	9	10	00	00	2	7	5	7	00	9
5		Fam	50	18	84	18	46	44	42	36	7.7	74	**	20	7	20	يرم	76	75	46	47	84	25	50	50	20
ncy		Ldm	13.5	14.5	14.5	15.0	/3.0	9.5	5.0	4.5	5.0	2,5	5.0	4.0	40	40	5.5	0.2	5.5	10.0	12.0	12.5	13.0	13.5	140	12.5
Frequency		V _{dm} 1	6.5	8.5	8.0 /	8.0	75/	0.9	3.0	0.6	2.0%	* %	2.0 5	1.5	2.0	2.0	3.0 %	2.0	3,5	5:0 /	6.5	6.5	6.0	6.5	7.5/	6.51
Fre	495	170	8	9	00	6	9	12	7	7	<i>ω</i>	* 0	0	7	t	~	7	~	5	6	/3/	9	9	8	00	9
	4.	Da	0/	14	11	9/	18	9/	3	~	ત્ર			a	_	7	4	7		~	11	6	0/	7	9	0
		Fam	29	26	75	72	67	5-9	55	53	53	53	53	5.5	55	53	S	53	200	49	11	73	73	29	29	29
				18.5	=	19.0	17.0	13.0	/3.5	0	5.0	* 75.7	4.5-	6.0	5.5	2.00	7.0	0	12.5	16.0	18.0			18.0		19.0
		Mp Nam Lam	10.0 18.0	10.5 18	10.0/80	10.01	9.5- 1	8.0 /	8.5 /3	2.5.	15	* 'S.E.	0	1/2	3.5 5.	0	١,٧	40 6.	7,5%	1.5.6	15.01	10.0/	10.0 17.0	0	10.0 19.0	9.5-
	160	∧ 7 q	7 /	7 1/4	1/2	8	6 9	9	8	2	6	40	* 3	4 3	4	4	6 4	9	8	00	9/		9	7 10.	9	8
		D u	14	13	2	/3	19	۳,	11	6	0	77		30	6/	17	8/	7	0	12	7	10	7	00	00	
		Fam	196	96	46	46	90	48	19	1 89	89	67	89	66	89	70 /	70 /	72/	S.	16	46	1 46	96	96	86	86
			80	8.0	8.5		7.5	6.5	8.0	6.0 6	6.0	6.5'	6.5 1	8.0 6	7.0 (0.11	12.0	11.5	7.0	8.0	8.0	85	7.5 9	7.5	21.0	7.57
		dm L	4.0 8	4.0 8	5.0 8	5:0 8:5	4.0 7.	3.5 6	3.0	0	3.0 6.	0	3.0 6.	5.0 8	3.0 7.	7.5 11	8.5 16	7.0 11	3.5 7		45 8	3.5 8	35 7	40 %	5.0 8	4.0 7.
	-1	D& Vdm Ldm	7	9	6 5	5	4	5	6 3	رب رب	<u>من</u> اح	<i>∞</i>	جي	5	-	/3 7.	10 %	2	12	4 4.0	4	4 3		2	4	
	. 051	Du	7	7	1/5	9	9	2,	9	?	72	00		2	7/2	1	1 6	6		7	3 4	4 "	4 3	7	3	2
		Fam D	126	126 "	126 3	125	1 /21	6 HEI	122	119		8 011	///	112	6 411	112	011		7		120	_	_	124 "		9
			_		17.0 1					=	5//3				1/5	110.91	119 11	0110	18.0 114	811 0.61		P.5 123	100/5		13.0 19.5 126	2 3 115/175/126 3
		Vdm Ldm	11.5 17.5	0.51 2.01	10.5 17.	10.5 17.5	11.0 18.0	11.0 17.5	10.5/17.0	5/70	11.5 17.5	11.0 17.0	5/16.5	9.5 15.0	16.0 15.5		5 16.	11.0 17.0	5 18	12.0 19	12.5/90	5 19	12.5 195	12.5 18.5	0 19	2/1/2
	3	P _A Y _Q	2 11.5							2.0/		1	10.5			11.0	5.01		11.5			12.5				//
	. 013			3	3 4	~	4	٦	~	~	~	1		~	γ	6	4	4	7	4	7	7	3	7	4	3
		m Du	3. A	3	3	3 2	S.	3	~	.1 3	7	2	7	7	26	7 6	7 4	2	5 7	4 6	7 3	1 3	7	7 1	3	
110	7	-E	55/	1 /53	2 153	3 /53	4 153	12/	5 /57	151	3 147	147	147	147	147	3 149	1 147	5 145	3 145	149	3 15-1	151	15/	151	2 /53	23 /5/3
(TS	۱ (۱	noH	8	0	02	03	04	05	90	07	98	60	9	=	12	13	4	15	91	17	8	6	20	2	22	23

 F_{Gm} = median value of effective antenna noise in db above ktb D_D = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{Gm} = median deviation of average voltage in db below mean power L_{Gm} = median deviation of average logarithm in db below mean power

USCORR. HBS-FL

USCOMMUNES-EL

19 65			Vdm	2.0	8	2.0	2.0	2.0	0.0	2.0	3.0	15	رد.ي	4,0	3.5	40	4.0	4.0	4,0	7.0	4.0	3.0	٦٠.۶	3.0	20	0,0	2.0
		20	7 _Q	જ	_	7	~	જ	1	~	ત્ર	4	જ	જ	m	જ	イ	3	7	7	(2)	0	4	7	8	く	7
nbe			Du	6	6	2	7	2	00	2	7	L	7	0	00	2	6	7	7	7	6	0	6	6	5	7.	1
oten			Fam	27	756	27	27	27	26	72	27	27	72	27	28	29	29	31	31	3	3)	77	27	47	72	27	27
Se			mp-	6.0	7.5	6.0	4.0	5.0	6.0	6.0	7.0	8.0	7.5	8.0	0.0	9.6	9.0	7.0	6.0	5.0	6.0	5:0	4.0	5.0	6.0	6.5	2:5
Month September			D& Vam Lam	4.0	ه کې	4.5	0.0	3.57	4.0	4.0	5.0	0.9	5.0	2,5	6.0	5.5	5.5	5.0	5.0	3.0	3,5	12,	400	3.0	4.0	5.0	4.0
ž		10	DE	00	7	2	(~	4	7	4	4	9	9	9	4	4	9	4	5	9	7	e	,	0/	8	8	7
≽l			Du	0/	00	9	0	00	9	9	0/	00	7	8	00	9	2	9	5	9	7	00	2	e	2	9	0/
105.1W			Fam	hh	07	40	7	40	44	76	38	40	37	36	36	04	44	44	47	50	C	24	G	S	48	46	ta
			mp-	9.0	9.0	10.0	10.0	10.0	0.0/	11.0	9.0	9.0	5.0	4.5	4.0	5:0	5.0	6.0	6.5	7.5	8.0	8.0	8.0	=	9,5	9.0	9.5- 42
ĵuo-			Vdm Ldm	6.0	5,5	6.0	6.0	6.0	6,5	00	5,5	6.5.	300	3.0	3.0	3,0	3.5	3.5	4.5	40	4.5	5.0	4.5	5.5 9.0	5.0	75.5	5:5
		5	70	9	۰	و	4	7	7	9	9	4	7	~k	12	7	d	7	14	7	,	9	5 1	00	15	7	1
40.1N Long.			D.O.	7	2	7	2	7	9	14	0/	0/	01	00	76	15	7/	0/	0	0	∞	9	00	00	5	5	4
			Fam	09	09	09	09	25	3-6	53	46	44	42	44	44	ht	44	84	15	hs	85	62	62	62	19	6-5	0 9
Lat.			-dm	10.5	10.0	9.0	11.0	13.0	I	6.0	4.0	35.	4.0	3.0	_	2.0 40 44	4.0	4.0	4.5	6.0	8.0	7.5	9.0	9.0	9.5	9.0	8.0 6
a do			De Vem Lem	6.0	6.5	0.9	6.5	7.0/	8.5 13.5	4.0	D. X.	3,00	0.0	0.0	2,5 3,5	20.4	30,0	2.5	30 1	4.0	3.0	5.0	5.0	4.5	6.0	6.0	5,0
lor		2.5	7 ₀	00	7	0/	0/	9/	~	5	7	~	76	7	7	7	e	00	00	00	0/	0/	9	9	9	7 (0/
ŭ	(Mc)	2	Du	0/	- /	0/	01	Ø	11	11	01	01	/3	0/	01	8/	24	15	14	76	00	2	0	00	9	6	10
der,	S		Fam	89	69	89	70	70	65'	53	5-0	20	5.0	50	2	5	G	56	3-6	23	77	49	70	70	70	69	89
Station Boulder, Colorado	S S		Ldm	*	* /3.0	13.0	17.0	* 8.0	* 15.	4,0	\$.0		¥ 4.5.	5:5	175-			140	170	\$.0	4.00/		11.0	* %	12.0	*0:	13.0
뛰	Frequency		De Vem	+ \o	7,5,	+00 00+	\$0.0	* 5/	4.5	*4%	40 4		* 0 'S	* 5.	13.0	X + 10,0/35	10 No. 10	*S.	70.5	12.0	7.0%	6.0/0.5	2,0 /	7.0	75/	5.2	6.5
hatio	Fre	495	7 d	9	7	7	9	11	0	9	7	h	7	9	8	15-1	13 4	20	18	20	21	00	00	9	00	* 0/	2
S		4.	Du	00	1	0/	00	7	9	20	18	2	28	0/	31	27	27	8/	8/	8	15/	0/	9	00	<i>∞</i>	0/	4
			Fam	00/	99	86	86	95	75-	89	68	89	89	20	12	79.	18	88	20	88	16	46	00/	001	100	001	101
SE			mp-	13.5	* /3.5/	× 14.0	135	14.5	2,8	15:0	¥ 11.0	¥ 0.5	\$55/	13.0		* Z	××, ×, ×, ×, ×, ×, ×, ×, ×, ×, ×, ×, ×,				4/35-	11.0	11.0	\$ CS	12.5		*60 30 101
NOISE			Dr Vem Lem	7.0 /	7.5- 4	75- 4	*0°	10.	4.0 18.5	* O'/	* (3.5)	*0.	# 0.0/	*0	to.0 13.5	9.0 14.0	9.0 14.5	\$ 140	10.0/	10.0 16.0	8.0	6.0		7.0%	7.0 /	7.0 12.0	8:0/
		160	10		9	00	9	10	23	23	18	17	000	8	16	44	* 61	14	6	15	16	00	9	00	10	00	5
5		-	ρη	9	7	2	∞	0/	/3	17	000	20	77	16	مرم	14	/3	14	7-1	7/	7	7	00	7	00	0/	0 1
RADIO			Fam	120	000/	x * (0.0)	8/1	116	107	101		95-	86	001	201	112	113		1/2	114	116	9//	811	8/1	120	8/1	111
PP			mp-		* 0.6 4.5	15.0	15.0	6.5	4.5 15.0 107	15,51	4.0 17.0 96	* + XS	1.017.5	17.5	* 13.5	13.0	*	120 /14	12.0	13.0		8.5-14.0	12.5	8.0 13.0 118	6.0 13.5	*9.0 \$35 118	1. 0 117
			Dg Vdm Ldm	9.0 15.0	*0.	10:0	10.0	10.0 16.5	* 5°	10.0 15.5	11.0	20.0	1.0/	11.0	* 0 BS	\$ C.S	7.0 11.0	*1.	* %	7.5	8.0 14.S	* 0°	8.0	0.0	0.0	40.0	15.
ES		051	J'a	4	7	00	9	9	٠,٧	00	00	00	6	0/	7	0/	00	6	00	e	00	9	7	7	00	7	7
ال		0	Du	9	2	4	00	00	6	0	oc	10	2	00	3	00	00	6	00	1	9	00	0	00	9	7	9
>			Fam	139	139	141	139	137	132	133	131	129	131	131	134	137	139	041	139	139	141	139	139	139	141	140	139
Œ			*£	11.0 12.0	12.0 19.0 139	7.5	19.0		4 13.5 20.0 132		13,0 00.0 131		125 180 131		9.0 15.0 134	145	/3.5	5.6	8.0 13.0 139	9.0 15.5 139	15.0	10.0 15.5 139	16.0	12.0 16.0 139	12.0 18.0 141	4 11.0 17.0 140	12.0 17.5 139
0			Dr Vdm Ldm	0.//	0.0	12.0 17.5	12.5 19.0	13.5 19.0	/3.5	14.5 20.0	13.0	14.5 19.0	13.5	12.0 19.0	9.0	9.5- 14.5	8,0 13.5	8.0 12.5	8,0	9.0	10.0	0.0	70,5	0.0	0.0	11.0	12.0
T		013	NO	ત	γ		4	12	7	٦,	1,5	7	9	9	9	9	0	9	-3	-9	و۔	9	7	7	7	t	9
Ŧ		0	Da	9	7	00	9	9	9	7	6	00	15	9	90	e	7	9	7	7	7	9	2	7	7	7	t page
MONTH-HOUR VALUES			Fam	163	163	163	163	163	191	162	160	15.9	19/	19/	191	165	167	167	167	167	165	165	165	165	165	165	165 4 6 12.0 17.5 139 6 4 7.5 14.0 11.
Σ	(TS	اد (٦	noH	8	ō	05	03	90	05	90	20	80	60	9	=	12	-3	4	15	91		8	6	20	21	22 165	23

6.0

15.0 3,5 5.5 5.0

4.0

60% 3.5

5.0

m Ldm ε... (V. 4.0 3.5

75.5 40 4.5 0.7 5.0

0.5

 $F_{\rm om}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper declie to median in db $D_{\mathcal{E}}$ = ratio of median to lower declie in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power Ldm = median deviation of average logarithm in db below mean power

Fig.			٤	0	0	0	1/1	0	0	0	1	0	١,	a	14.0	5	0	0	10	٥	0	0	L _A	0	0	0	0
Fig. 0. 9. Van-lum Fig. 0. Van-lum Fig. 0. 9. Van-lum Fig. 0. Van-lum Fig. 0. 9. Van-lum			m Ldm	* °		**	* 5.		*3	× 40	× 5.5.			× (2)	_	+0		. 9	9	5.0	* *	۸,	~	か	3	* 1	w.
Fig. 0. 91 Year-land Box 10 Year-land Fig. 0. 10 Ye				* 7	* .	* 3		* %	* ~				₹%				* 5		4.0		* ½		ř			* ∕y	5:
Fig. 0. 013 Fig. 013 Fig. 0. 013 Fig. 013 Fig. 0. 013 Fig. 013 Fig. 0. 013 F		20	DA	4	12	~	12	7	7	ω	9	12		7	7	7	10	%	00	6	5	2	12	5	5	7	-9
Fig. 0. 9. 4. No. 9. 4. No. 9. 1. N			_	イ	૪	m	7	У	_	~	ィ	2		9	10	0	e	4	9	7	7	7	7	~	\sim	7	6
Fig. 0. 9. Fig. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.			Fam	25	36	757	26	26	26	26	28	78		28	30	30	3	32	32	30	28	26	26	79	=	26	26
Fig. 0. 9. Van. van. van. van. van. van. van. van. v			Ldm	5.0	6.0	45.0	4.5	* 6.51	3.0	6.0	* 5.	8.5	*00	* 50	9.0		8.5	0.9	6.0	4,0	6.0	\$.0	*\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4,0	5.0		
The color of the				=	=					0	_	5	6.0	6.0			5.5			*.S.	*~	≠ ₩.	1.5.	5	3.0		3.0
From Du O 15 van Ham Fam Du O 15 van Ham Fam Du O 12 van Ham Fam Du O 12 van Ham Fam Du O 13 van Ham Fam Du O 12 van Ham Fam D		10	ργ									3			7	00		7						6	6	7	
Final Decoration Final Decor			Du	4	9	00	72	'n	ィ	4	7	9		9	7	00	0	9	~	m	7	3	~	9	9	7	7
Final Decoration Final Decor			Fam	44	47		39	30		40	38	36	34	34	35	37	38	40	46	18	84	84	45	7	40	2	47
This O 2 Van Lan C C C C C C C C C				*8	7.0	7.5.	7.0	* 0°	i,'	* S.o	* 7.	× %	* %		3.0		4.0				2,57				5	7.5	
Fig. 0.1 St. Van Lan Fam Du De Van Fam Du De Van Lan Fam Du De Van				4.0	4.0	_	0	7	9		7	1	. 0	* 0	0	2.0	-		0			_	5				
Fin. 0.1 2. (3am Lum Fin. 0.2)		5	V														7			,			0			7	
Fim. 01 193 190 1			Da	7	?	7	m	Λ	9	9	7	~	7		7	~	~	~	00	10	9	7	و	7	5		
Fig. 0.13 1.06 1.07 1.06 1.07			Fam	7.5	276	7.5	25	25	hs	8%	hh	42	3	£*	44	44	44	44	44	==	S	5.5	576	2-6	5.6	12	26
Fin			_	\$.0	15		7.0	2.0	5.0	* X.X.	+ ~;	* 3	かん	* v.	30	* %	+ 3	30	* °	3.0	4.5	2,5	7.5	8.0		6.0	
Figure 10.13				40%	1.5.		2.0	4.5	_						15	THE REAL PROPERTY.	0		0			40			35	4.0	
Figure 10.13 Figure 10.14 Figure 10.15 Figu		ىر						7								=		==									
Fin Du Dz Vam-Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Fam Du Dz Vam Lam Fam Dz Vam Lam Fam Dz Vam Lam Fam Dz Vam Lam Fam Dz Vam Lam Pz Vam Dz Vam	Ac)	2.	Du	9	و	9	4	6	10	10	r	~	7		8	ત	m	4	8	9	10	00	0/	9	9	00	00
Fam Du Dz Vam Lum Fam Dz Vam Pam Pam Pam Pam Pam Pam Pam Pam Pam P	5		Fam	63	63	63	64	90	57	15	49	49	54	**	49	49				15	5.52	19	19	63	63	19	19
Fig. 013 Fig. 10 02, Vum Lum Fim Du Dy Vum Py	ncy		mp_	0.5	3.0	15.0	16.5		9.5	2.5	5,0	45	7,0	* G	=	_	15.	_			1/5	7.57	75.8	0.0	2.8/	11.0	11.0
133 152	due		P P	0	9	75.	_	0	٧,	5		0	0			15	9	0	0	5	0		أسنبي		فطاخته جيش	0	
Fam Du De Vam Lam Fam	Fre	195	70				11			4										أنتنا	75		انتحصا				ا
Sam Du Du Valm Lam Fam		4.		7	00	e	3	5	15	00	9	00		e	7	00	0/	14	18	7	=	00	00	4	2	5	7
Sam Du Du Valm Lam Fam			Fam	156	93	93	93	68	69	65	49	65	65	65	65	59	19	159		69	83	93	93	95	93	95	93
Fam Du D., Vam Lam Fam Lam Fam Du D., Vam Lam Fam Lam Fa					15.0	_		0.8	19.5			0	4		0.9				15.0	15.0	3,0	0.4	==	0.7,	0%		13.0
Fam Du D2 Vdm Lum Fam Du D2 Vum Ldm Fam Du D3 158			dm l	_	_	15:	_								٥		0						0	0	0	0	0
Fam Du De Vam Lam Fam Du De Vam Lam Fam Du Les to He Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du Les to He Fam Du He Fam Du Les to He Fam Du He Fam Du He Fam Du Les to He Fam Du He Fam		.160	70																								
St L L L L L L L L L			na	9	00	9	7	=			9/	08/		8	/3		10/	8/	19		6	والتناق					
Fam Du De Valm Lam Fam Du De Valm Lam 158				114	3	1	110	106					er de*	10		=	3	93		_	_	==	011	1/2	75/	7/1	1/3
Fam. Du. D. V. Vam. Lam. Fam. Du. D. 158					=			4.0	1.0				* 0.9	* c		_	15.5	15.0		145	14.0	4.0	13.5	130	13.6	3.0	12.5
Fam. Du. D. V. Vam. Lam. Fam. Du. D. 158			mp/	200	000	8.0		0.0	8.0 1	10.0	7.0	30%	10.0/	0.0	1 5.01	10.01	3.5	0.0	9.5	5.5	9.0	8.0	6.0	7.0	_		8.0
Fam Du O. Vam Lam Fam Du 158 6 4 100 170 134 5 134 4 1 100 170 134 5 155 155 155 155 155 155 155 155 155		051	70		-	_										7		J		11		_			10	0/	00
Fam Du DL Vdm Ldm Fam			Du	5		3	- 3				-						_	0,	11		9					7	
128 6 6 6 6 6 6 6 6 6					1	1			_		100		77	*				126	126	301	128	130	32	133	37	134	134
128 6 6 6 6 6 6 6 6 6					70%	15.9	0%	8.0	15.8	9.0	9.0	8.5		45.	7.0	4.0	0.5	5.5		7.0	0.9		1757	90.0	7.0/	17.57	16.5
128 6 6 6 6 6 6 6 6 6			Vdm L	10.0	10.0	150	1/5//	151	7.0.5	2.0	0.61	11.5	130	AC.	1 5%	9.01	10.0	10.0	1 -5.0	1.0.1	1,5.0	1.01	10.5	0.0	0.0	10.01	10.0
## 88 75 75 75 75 75 75 75 75 75 75 75 75 75		013		سستننز ر		1					9	2		-	-		00	00					9				15
## 158 551 551 551 551 551 551 551 551 551		•	-	9	2	4	2				13	2	-			7			9	12	9	5,	7	7	n	7	1/2
				158		-	1						153	155/	153	15%	157	15-6	751	55,	157	45,	15-6	8.5	153	851	15-8
	(TS	د (٦٥	-	-	_		03	04			07				=		13						=	20			23

19 62

Month October

Station Boulder, Colorado Lat 40.1N Long. 105,1W

MONTH-HOUR VALUES OF RADIO NOISE

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm A}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

		Vdm Ldm	30	3.0	3,0	2.5	2.5	2.5			* 6.	£ #	* \ \?:		* ° °	* %	*00	* 2, 2,	75.5	2.5	30		3.0	30	3.0	3.0	
		_	0.0	3.0	1.5	1,5	1.5	1.0	°.0	*2	*3.	* =	* 6	+ g	*5	*15	* 12	**	2.0	1.5	1.5	1.5	7.5	1.5	7.5	1.5	
	20	70	~	3	٦,	0	0	0	ィ	~	7			~	12	2	0	7	~	~	べ	_	0	4	ゝ		
		D _u	γ	~	ヾ	જ	~	۲	マ	~	7			/0	10	00	01	00	2	Υ	٦	_	4	8	رم	જ	
		Fam	~~	r	<u>س</u>	23	2	23	2	26	27	* 78	*2	29	49	2	3,	27	150	_25 <u>~</u>	25,	ケイ	23	23	23	5,57 23	
		Ldm	6.0	5.0	* 2.	4.5	4.0	5.0	* · · · · · · · · · · · · · · · · · · ·	6.0	6.5	* 3.	* 7.	* 2.5	6.0	8.5	5.5	*	4.5	5.0	5.0	40%	* 7	3,5	5.0	_	
		Vdm	3.5	J.	* ~;	۵,۶	۲٥	15%	₹w ,v.	4.5.	3,5	+~	* 🎺	*	*Z.	ري	20	*%	* 8	3.5	3.0	*%	₩ %	0.0	3.0	3.5	
	101	7 _C	14	7	00	9	00	9	7	7	9	00		5	7	0/	0/	00	9	9	\~	00	7	7	4	7	
		no	4	7	5	00	0.	α	2	જ	7	و		00	17	و-	76	٧	t	4	7	4	9	7	12	2	
		Fam	hh	46	42	40	47	7	4	40	38	30	**	34	35,	38	44	46	46	46	44	44	40	43	43	44	
		Ldm	1.0	7.5	7.5	2.0	7.5	6.0	6.0	5.0	5.0	45	5.0	4.5	4.0	4.0	4.0	4.0	4.0	40	6.0	5.0	6.5	6.5	20	6.0	
		νφω	* 7.	4.0	4.5	4.0	4.0	4.0	3.5	3.5	3.0	* 4	₹~ 0	* 4	*4	12.4	٥.٥	3.0	3.0	م،ح	3.5	3.0	3.5	40	4.0	3.0	
	72	70	۰	7	و	*	4	9	7	9	0	0/		11	00	10	00	00	e	7	9	00	7	t	7	12	
		n _Q	7	9	9	+	00	00	0/	10	12	1~		4	4	~	7	7	9	9	e	7	00	. 00	9	~	
		Fam	ζ	13	Zg.	Ç	ণ	50	46	44	+	40	*	7	4	7	42	44	46	80	84	50	84	34	48	20	
		Ldm	5.0	4.5	5.0	6.5	7.0	5.0	4.5	6.5	4.0	* 5.0	7.0	\$ is	4,0	4.5	4,5	¥ 4.0	6.0	4,5	5.0	6.5	¢,0	2.0	6.0	6.0	
		Ndm	2.0	» بر ا	3.0	4.0	*3	12.5	,7.4	12	0	* 1/2	*~;	* ~ S	2.0	15.4	3.0	** 'S'	45	٠ <u>٠</u>	3.0	40	* 6	3,5	4.0	4.0	
	2, 5	7 _Q	W	4	m	9	7	ئى	7	9	~	-0		h	t	9	9	9	00	1	00	12	4	~	76	3	
(Mc)		Du	+	00	10	~ 1	1	11	=	h	7	7		4	4	7	7	4	જ	~	9	9	00	9	11	9	
		Fam	53	5	ζ	23	53	52	15	49	49	54	t *	5.	49	49	49	64	5	5	55	5.5	15	5-5	5	15.2	
Frequency		Ldm	70.5	11.0	11.0	13.0	5.6	7.0	6.0	5.0	4.0	* 7.	* 5°	4.5	4,0	4.0	4.0	5.0	0.9	6.0	8.0	10.5	0.6/	11.0	11.0	10.0	
nbe		Vdm	6.0	7.0	2.0	2.0	2.5	4.0	م م	0.0	٥.٢	*.	*~	8,0	2.0	8.0	*^	٥,٥	3.0	3.5	5.0	5.5	0.9	6.0	7.0	5.0	
I L	495	70	00	~	2	5	00	7	7	*	2			7	7	~	7	4	9	00	6	S	7	7	9	9	
		Du	7	6	/3	17	81	18	7	9	٥			00	10	0/	7	70	10	17	7	00	7	べ	7	00	
		Fam	84	8	79	28	2	99	49	64	49	c*	64	64	49	79	64	49	29	74	78	00	18	3	83	00	
		Vdm Ldm	15.0	76.5	16.0	76.5	14.0	9.5	6.0	6.0	4.0	\$.0	* 5.5	4.0	6.0	6.5	7.0	7.5	0.0/	15.0	15.0	0.9/	16.0	120	16.0	15.5	
		Vdm	5.5	0.0/	9.5	0.0/	9.5	6.0	4.0	4.0	ر م م	* . s	* 5.5	0.0	3,0	5.0	3.0	40	5.0	9.5	8.0	9.0	9.5	10.0	9.0	9.0	
	.160	70	6	11	8	6	00	~	જ	9	4	9		4	00	0	00	9	5	00	6	00	5	00	6	6	
		Du	0/	01	16	14	17	17	15	7	00	12		18	∞	18	9/	8	/3	0	00	0	0/	0/	7	9	ktb
		Fam	66	86	95-	46	90	8	75	75	73	==	35	73	77	17	29	29	84	16	95	97	98	66	101	99	BOVE
		De Vem Lem	70.5	9.0	10.0	9.0	9.5	8.0	71.57	8:0	8.0	*′	7.0	8.0	0.0/	10.0	13.0	11.5	7.5	10.0	5.5 9.0	9.0	5.0 8.5	10.0	/0.0	9.0	db a
		Vdm	5.5	6.0	6.0	0.9	5:5	5.0	2.0	4.0	3.5	**	3.5	40	6.0	5.0	000	7.5	4.0	6.0	55	5.5	5.0	6.0	6.0	4 5.0	ise in
	051	Za	4	4	2	7	Μ	2	9	و-	-9	00		ು	9	6	9	5	12	9	•	5	m	2	e		00 00
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		Fam	401	7		/23	7	۲۲/	120	118	114	11.0 15.5 108	*	0 11	14.0 110	111	108	11/	411	10.0 16.5 118	11,0 17,0 120	777	123	123	he/	11.0 180 124	ctive
			17.5	10.0 16.5	0.91	17.0	16.5	17.0	11.5 170	17.5	17.5	15.51	18.5	2.41 0.01	14.0	14,5	7.5 12.5	10.0 15.5	11.0 14.5	16.5	17.0	11.5 18.5	11.5 17.5	12.0 18.0	12.0 18.0	180	effe
		Vdm Ldm	0.77	0.0/	9.5	10.5	5.91 5.01	0.//	11.5	11.5	12.0 17.5	0.11	12.5	0.01	9.0	9.5	7.5	0.0/	0.//	0.01	11.0	7.1.5		12.0	12.0	11.0	lue of
	013	70	7	7	9	1	~	4	76		~	_		~	7	8	~	7	ď	12	2	12	5	7	3	4	DV AE
		no	~	α	67	~	7	7	7	9	5,	7		γ	7	4	2	ત	00	7	5	7	7	7	2	7	medic
		Fam	152	7.57	حری/	52/	150	150	341	148	146	144	4/46	146	841	146	941	146	44	841	8/1	25/	150	251	05/	150	$F_{\rm Gm}$ = median value of effective antenna noise in db above ktb
(T	ST) 4	noH	8	0	20	03	04	02	90	02	80	60	0-		12	13	14	15	91	17	8	61	20	2	22	23	

Month November 19 62

Station Boulder, Colorado Lat. 40.1N Long. 105.1W

MONTH-HOUR VALUES OF RADIO NOISE

 D_{μ} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

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		Vdm Ldm																								
	20	7 _Q	べ	`	N	γ	~	শ	٦	4	M	Υ	イ		0	જ	0	0	7	4	7	2	8	٦	γ	7
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		Ldm																								
		Dr Vam Lam																								
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		Du	9	9	9	9	7	5	7	72	5,	٦,	9	15	7	べ	M	15	9	7	~	7	7	9	5,	9
		Form	77	T	pro	74	78	23	70	30	2/	17	77	2	740	26	70	30	29	29	30	38	28	26	26	27
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		Vdm Ldm																								
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		Fam	39	70	77	22	61	70	61	16/	16	17	15	61	7	200	30	3	36	34	34	33	32	32	30	3/
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		Vdm Ldm																								
	5) 7 _Q	d	_	て	9	m	^>	4	7	7	~	イ	7	7		7	7	رن	7	7	~	~	~	7	3
(3)	2.	Du	13	14	10	0/	7	~	00	7	7	5	2	76	7	3	7	5	2	5	٠	0	. 00	(L)	6	2
(Mc)		Fam	20	6	20	20.	7	78	20	20	70	20	000	20	20	20	20	78	73	23	7	- i	10	1	20	76
cy		Ldm	. 0		- 0	0	•	0			,			6		- 8	0	0		- 6		0	- 6	•		0
neu		V _{dm}																								\dashv
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		1 Vdm Ldm Fam	1	٦,	4	*	\$0	7	1	7	7	151	64	5.	7	1	7	*1	\$5	7	7	7	7		7	7
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		D Du	2	2	8 3	7	7	76	9		2	9 8	2	8 5	9	9 8	8	7	4	2	8	200	8	2	2	7 5
		m Fam	69	69	9	89	72	72	89	68	9	9	9	9	و	9	9	2	12	ė	9	9	3	9	9	9
		m Ldm																								
		mp∧ 7d																,								
	.113		7	7	9	00	~	7	-9	00	~	00	9	9	1	9	2	12	9	00	9	~>	~9	-9	9	7
		D E	00	7 2	0	2 5	2	9	7	7	72	7	8	ď	7 ~	00	9	1 5	9 6	7	7	5	00	9	2	7
		Fam	60	92	96	92	20	90	2	92	3	92	90	92	2	90	92	16	92	2	6	2	25	6	2	92
		n Ldm																								
		mp/																								
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		no 1	7	7 4	و	2	7	9	7	7	2	2	9 0	7	7	7	7	2	7	2	7	7	9 6	#	7	76
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(TS	۱ (۲	noH	8	ō	8	03	04	05	90	02	8	8	10		12	13	14	5	9		8	9	20	2	22	23

Month September 19 62

Station Byrd Station, Ant. Lat, 80,0S Long, 120,0W

OF RADIO NOISE

MONTH-HOUR VALUES

 $F_{\rm am}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal A}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

USCOMM-NBS-PL

Σ	8	HL	MONTH-HOUR VALUES	~	AL	UES		OF RAD	3AD	0	NOISE	ISE		Ste	noitr	Byr	Station Byrd Station,	tion,	, Ant.		Lat. 80.05 Long. 120.0W	0°.	Lon .	Ig. 12	10.01		Month October	9	tobe		19 62	oil
(TS.								-							req	Frequency		(Mc)														
۱ (۱		. 051	51			.113				. 24	246			, 545	5			2	2,5			5				10				20		
noH	Fam.	ñ	D& Vdm Ldm	Im Fam	m Du		Dr Vdm Ldm	dm Fam	m Du		Dr Vem Lem	Ldm	Fam	ם חם		Vdm Ldm	Fam	Du C	De Vam	Ldm	Fam	0 n o	V	Vdm 1dm	Fam	Du	De Vem Lem		Fam D	₹a na	Vdm Ldm	Ldm
8	hal	101	9	18	3	9		65	ζ. 	_			164	7 01	7		19	6	~		25. 5	0/ 0	~		27	4 12	٨		/3	7		
ō	106	9	4/	84	<i>∞</i>	6		65	٦2				49	00	7		20 /	10	4		ーマ	12 6			36	h/ h	7		13	7		
05	401	9	, ,	98	9	9		65	4	-		•	49	7 2	+		19	16 "	Α,		1 - 7	/3 ' 8	00		22		7		. //	7		
03	101	7	9	98	9	9		e*	9.				*?				20		~		17 1	14 4	_		ردر	2	5			7		
04	104	9	8	88	9 8	9		e- e-+	_ 9			,	* c				61	2	~		1 7/	15,4	,		/7	8	<i>o</i>		,	2		
05	102	0/	7	98	9 9			99	11 9	7			8 64	4 8	,		19	9 3	~		15-1	13 3			16	9 7	- 1 -		. //	7		
90	C01	01	9	80	8	9		65	11 3	1			1 64	6 4	_		19	7	~		12/	8 3			15/	11 5	5		6	4 2		
20	103.	۲/	4	84	8	9		99	6 7	7			1 64	7	7		19	9	~		15 6	2			17.	7 7)		6 11	7 6		
80	100	8	~	84	8	8		66	6 7	۲ ر			47	47	7		161	14	~		16 5	5,			77	6 10	9		11	7 6		
60	102	00	9	84	4 6	4		67	7 8	١,			47 1	10 2	~		100	12 6	4		15/2	7			20	9	00		7 1	7 7		
0_	KW/	<i>></i> a	7	18	1/0	2		66	6 5,	4			49	2	_		19	13	~		H H1	4			20	9	5		7 //	7		
	401	00	00	200	0	00		99	7 9	ď			47 4	4 2			161	14	~		13 4	1 3			17	4	-		۲ ۱	~		
12	401	00	<i>∞</i>	96	9	00		65	5 5,	_			47	3 /			61	~	٨		14 6				27	6 4			11	γ γ		
13	401	00	_ //	86	7 2	1		99	6 3	~		4.	47 4	7	<u> </u>		°		7		19 5-	9			23	3 4			(3	78		
4	401	8	10	24	_	9 8		65	2.	_			1 CH	7			19	2	~		8/2	00			مر	6 3			13 2	~		
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-1	106	0	0	E	0/ 2	6		99	7	d			47 (2	~		8/	7	~		700	8 0/			24	00			/3	4		
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. 22	/03	9	6	80	5	5		65	7				49	7	_		51	1	74		790	6 01			36	7	00		/3	7		
23	23 104	00	7/	86	0	00		65	7				47	7	78		61	12	~		1/80	11 01	_		20	3 12	4		13	7		
	11	mediar	F = median value of a	affortivo	a antenna	ion pune	Apr of ea	in dh aban	4+4																							

 F_{Qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db D_{g} = ratio of median to lower declie in db V_{dm} s median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

		Vdm Ldm																								
	0	D. Vd																								
	20	ρ'n																								
		Fam	24	44	74	44	22	74	74	23	حرد	24	77	44	44	44	Jul	40	25	25	44	44	25	ho	74	24
		Vdm Ldm																								
		De Von																							_	
	10	חת										'														
		F. E	61	20	20	8/	20	00	18	12	18	18	10	8/	16	16	18	20	77	74	74	7	77	\tilde{z}	23	23
		Vdm Ldm																								
	را ا																									
		JO n				-																				
		Fam Du	24	مره	20	42	77	19	77	20	00	>∞	00	16	17	17	8/	81	170	17	17	20	27	74	20	36
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(Mc)		Fam Du	6			~		0	a	٩	4	~	0	~	0	_	_		9	9	0	~	01	~	(0.	0
cy		L-dm Fo	61	80	20	8/	7	20	7	2	77	0/	20	18	18	18	8/	19	20	61	18	77	_	10	61	20
Frequency		Vdm L																								
Fre	545	D& Vdm																								
	•	الم																								
		ram F	52	09	159	9	4,	2.8	9	9	56	5.5	20	90	56	5-6	376	09	9	58	5.8	55	54	5	54	<u> </u>
		m Ldn																								
	246	D& Vdm Ldm																								
	. 2	ρq																								
		*#	19	651	69	63	69	10	65	65-	65-	65	59	70	49	99	67	65	63	99	67	99	179	70	63	159
		1 Ldm																								
	~	D∕ Vdm																								
	, 113	O no																								
		Fort D	22	95-	86	97	86	86	28	97	86	44	96	96	97	97	86	36	1001	16	97	96	96	96	96	95-1
		Vdm Ldm																								
	. 051																								,	
		Fam Du	1/0	0//	0	a	0	011	011	0//	0	60	0	7	11	601	7	011	0 //	0	7/1	7/1	114	111	0//	711
		uoH r₂	// 00	/ 10	05 1/0	03 1/0	04 110	05 //	// 90	// 20	01/ 80	90/ 60	10 110	11 11	12 ///	3 10	14 1/2	15 //	// 91	17 110	18	// 61	20 //	21	22 //	23 //

Month November 19 62

Lat. 80.05 Long. 120.0W

Station Byrd Station, Ant.

MONTH-HOUR VALUES OF RADIO NOISE

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{ν} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

USCORRUBS.N

			Vdm Ldm	4.0		3.5	3.5	6.9		9.0	_	4.0	5.0	3,5	5.0		9.0	Sie	2.5	5,0	4.0	5.0	4.5	45	4.0	4.5	4.5
1962			Vd#	3.0		75.5	2.5	4.5 6.0		4.0	15.4	اري بو	12,5	2.5	35		2.0	w. 0	3.0	3.0	5.4	35	35 45	3.0	30	3.0	3.0
		20	y _Q	γ	0	0	0	0	0	0	0	_	~	へ	0	0	7	d	1	8	0	0	0	0	0	0	0
1ber		7	Du	0	べ	べ	~	٦	_	~	~	γ	7	ィ	ď	へ	9	ょ	7	3	Υ	イ	ત	_	0	0	0
Month September			Fam	20	90	مح	70	20	20	202	8	20	20	20	20	20	22	7	7.7	4	77	73	7	7	77	73	77
SeF			Ldm	7,5	6.0	5.0	8:0	4.0	6.0	+ 15,5	5.0	4.5	30	5.0	\$.0	* 0.	4.0	* 3.	4.5	6.5	\$,5	5:5	× 50	75-	7,5	8.0	9,0
ont			Dr Vem Lem	4.5.	2.5	2.5	\$.0	* ~	3.0	* 5	3.0	420	× 5.0	3.5	3.0	6.0	*6.	* ~	* W.	4.0	\$.0.5	3.0	₹ W.	17.0	2.5	40.5	
ž			7 _Q	5		7	4	m	7	4	~	7	ત	2	2	4	00	W	~	7	4	7	3	3	7	7	2
딟		10	ηO	9	4	2	3	2	12	2	15	5	7	α	٦	~	2	2	7	~	12	00	9	76	4	2	4
0.4			Fam	40	38	36	34	32	32		34	38	he	74	40	74	75	29	33	38	=	42	43	44	۲۶	42	47
13			mp-	9.5-	8.0	8.0	7.5	* %	2:9	7.5-	· 0 ·	* 8.0	* 'S'	4.0	4.0	6.0			9.0	125	9,5 42	0.0/	0.0	0.0/	* 0	0.0/	1,5
30.65 Long. 130.4E			Vdm Ldm	5.0 9.5- 40	4.5	4.5		4.0	4.0	4.0	*2	6.0	5.0	2.5	3.0	3.4			65.	6.0		5.5	5,0 10.0 43	5.0	5.5 10.0	75.5	6.5/1/5/142
J 89		5	J'a	4	4	را	9	12	ی	2	2	و	e.	4	7	7	9		2	7	13 6.0	00	9	00	7	00	m
30. (D _u	"	6	9	,	9	4	12	0	- //	~	00	5	11	7		á	17	//	7	00	00	00	00	5
			Fam	84	84	50	5.0	20	84	70	3	20	7/	14	16	14	16	*~	77	26	40	46	G	Q	50	5.0	84
Lat.	İ		-dm				9.5	0.0/	2.5	10.0/	6.0	19.5	0 /3.0		٥ ن	نہ		0 * 9	* 00 5,5	7.5	12.5	0.77	12.0	11.5	*	* %	11.0
S S			De Vom Lam	6.0 11.0	4 4.0	4.5 8.5	, 0.5	6.0	5.5	* 1215	* 5:5	12.5	10.4	10.0 13.5	* 2.5	*,5.		¥ €	* 5.5	* 2.5	8.5 /	6.0 1	6.0 /	15.9	1,5.5	6.5 /	15.5
rali		2.5	DeV	4 6	* 00	1	2	2	7	1/2	*2	*:0 V	**	* 0	*	*2	0	* '	* 5	*	2	* 7	7	7	و *	9	9
Station Cook, Australia	(Mc)	2	Du	0/	9	6	00	6	2	7	0 /	14	1	~	7	9	4		0/	/3	17	11	9/	~	77		0
4 5	3		Fam		h-2	52	52	52	50	7	38	90	707	18/	8/	8/	18	*~	7 70	23/	رکی	196	20	1 75	1 45	54/	3
1001	Ş			12.0 52	10.0	1,0	13.5	11.0 5	14.0		7.0	7.5	•	4.0	5.0	15.4		16.0		9.0		1455	=	20.6/	5/5	130	7.0 13.0 54 10
٦	Frequency	2	De Vam Lam	6.0 13	5.5	6.5 13.0	7,5 /	1/ 5:5	7.0 14		4.0 7	5.0 7		2.5 4	3.0 5	3.0 4	5.0 8.0	0.0	45 7.0	5.0 9	7.0 14.5	7.5 14	5.0 10.5	7.55	5.0 10.5	6.0 1.	~
atior	rec	. 545	/ 2a	4 6	7	7	7	3	6	0/	7	بى	0	2	٦ /	14 3	12 5	/3 4	4	<i>ا</i> د	101	4 7	6	7	2	00	7
Š			Du	6	00	8	6	6	00	1 /1	00	61	7	0/	2	4	14/	~	6	13	=	/4	01	2	8	4	~ ~
			Fam		77	77	75-	77	11	1 6	39 /	39 /	37 1	43 /	~ 8h	15	164	ς Σ	46	45/	21 59	21/	196	18	18	83	19
Щ		=		14.0 7	4 13.0 7	12.5	12.5	12.5	13.5			# 10.01	4.5				14.0 4	25.0	10.5 9	=		# /S/K	17.0 7		==	17.0 8	15:51
NOISE			D& Vdm Ldm		_		_	7.5 12	7.5 /3	11.5 18.0	+ + +		35-4	0 12.0	* * * 8.0 /3.0	14.021.5	* * 10.0/	* 0:51	6.0 10	11.5 18.5	12.5 22.0	45. A	9.5 17.	8.5 15.0	7.0 13.0	¥ 5.6	* 0 %
Ž		160	7 /4	8.0	7.0	1 7.0	2.0	6 7:			-	6.5	そり	6 %0			*0/	* 2	7 6.4	17 11		100 Ta	7 9.				_
0		•		9	9	7	9 /		7 9	00	2 h1	17 6	20) (7/	4 4	6 1				=	1// 2	3 5/		7	4 6	4 7	7
SAE			ng m	7 4	7	5 601	p <01	400		- 1			0		4 14	00	8/8	20	8 23	76 16	1/17		11 /16	6 96	98	7 70/	00
1.		Ξ	m F	0/0	1/ 5		5/10	0.	2	12	37 5	9 0.	5	0.0	15	23.0 68	20	<u>وم</u> لا	145 68	15:07	00	60			6 0		0
9			De Vam Lam Fam	8.5 15.0 102	5.0 13.5 102	9.0 14.0	6.5 11.5	4.0 13.0 100	8.5 13.5	7.0 125 82	8.5 13.5	11.0 16.0 64	12.5 19.5 60	14.0 23.0 64	12.0 20.5 64	* 25	12.5 21.0 68	1.5-17.5 68	7. ₹.₹	* S	9.0 15.0 81	95- 16.0	10.0 18.0	* * 5.0	9.0 15.0	9.0 16.0	2 10.0 16.0 100
S			PA 7											6 14	5.		1	* >	_					_			9
5		. 051		7	٦	4	7	۲	7	رس	w	5	7			e e	4		5	1,0	~	0	4	2	ď	7	
AL	1	·	JO m	7 2	15	5 9	30	7	2	120 4	7	6 7	1/0	2 8	0 4		01 011	7	<u>ر</u>	0	0	6 2	0	7 8	9	2	7
		_	DA Vdm Ldm Fam Du	45 10,5 124	12.0 126	7.0 11.5 126	12.0 128	7.5 12.5 126	15/ 25/ 0.8		# 60 /25 114	90 145 106	16.0 106 10	17.5 108	110	7/1 5:8/	7	2//2	x 11 5.91 0.01	9.0 145 110	85 135 110 12	0 116	120	777	6.5- 14.0 122	124	2 7.0 11.0 134
LR.			n Ldm	- 10.5	12.0	5.//	13.6	2.5	/3.5	8.0 13.0	+ 3.	14.5	* 16.0	* C/7.5	19.6	7 € S	4.0 ×1.0	12.0 20.0	* ° 9	14.5	13,	0.01 0.01	10.0 15.5	, /3.0	17.6	0.6/	1/.6
오			\dr		7.0	==	7.5						* 0.0	*2	# 12.5	11.5	*5.	4.6		9.0				100	5.5	8.0	2.0
H		013	===	۲	0	0	0	٦	~		4	4	~	4	7	7	7		2	2	3	7	ત	*	ત	2	
F			o o	3	7	60	1,5	4	ฯ	ィ	76	7	4	7 4	7	3	7	æ	3	2	7	7	,	3	~ ~	3	4
MONTH-HOUR VALUES OF RADIO			Fam	153	153	02 /53	03 /53	04 155	ς /	06 153	149	08 147	60	10 147	149	12 149	13 149	14 /49	15/51	151	17 /5/	149	/5/	153	/53	55/	23 /53
2	(TS.	ال (٦	noH	8	ō	02	03	04	05	90	07	08	60	2	Ξ	12	13	4	15	91	17	8	6	20	2	22	23

 $D_{\rm L}$: ratio of upper decile to median in db $D_{\rm K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power L_{\rm dm}= median deviation of average logarithm in db below mean power

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			* <u>E</u>	3.5	ار.	3.0	0	۵	10	4.0	4.0	8.5	40	4.0	40	6.0	4.0	4.0	5.0	4.0	2:5	0	٥	3.0	30	6.7	4.0	
62			MPT MPV 70	5.5	0 35	0	3.0 3.0	3.0 3.0	ري.	0	2.5 4.	0	3.0 4	0	3.0 4	5.0 6	7.5.4	30 4.	4.0 5	2.5.4	35 5.	4.0 6.	m' o	3.0 3.	J.5. 12	3.0 4.	404	
6		20	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8	0 U.	20	6	~	0	w)	0	6	4	رب س	0	5.	なる	<u>س</u>	7	7	<i>√</i> 3	3.	<u>س</u> م	0 3	7	3	7	
ы			D _u C	~	ィ	~	0	0	0	~	7	~	4	7	7		9	9	7	8	0/	7	7	~	4	7	4	
ope			Fam D	1/2		17	7	18	7	7/	٠ /٣	_	10		7/10	2 18	25	73	75 4	25- 1	25-	ماع	13	23	M	23	7/7	
October				=	8	\rightarrow	==	6.5		_		<u>ر.</u>		75			*0.	\'S	*× 1.5.				=	70 2	3	8.5°	7.0 1	
			Vdm Ldm	6.0 4.0	5 7.0	40.70	7.5		6.5,	5- 6.0	6.51	* 15.5	604	6.5	2,5	0.90	_	9.		5 8.0	0 7.0	5 7.0	2:5	т.	*%			
Month			De Vd	* 5	4.5		14.5	4.4	ر ا	3.5	+7	* W.	**	5.0	4.0	4.0	6.4	75.30	¥ ?	4.5	4.0	4.5	3.0	* 0.7	* 50	ام دي ده	4.0	
		ĭ			7	5 4	8	\dashv	000	1	7	7	4	7	2	9	9	7	7	9	7	ω.	3	9	را	. 1	12	
130,4臣			Fam Du	2	3 12			7 4	6	39 4	3	8	1 10	9 10	1 10	7 6	1 15	2	76	5	امر م	7 4	7 4	47 4	S1 Ch	11 44	45.5	
130	-	_	m Fa	hh 5	11.0 43	10.01	0 39	37	39		0 33	500	0 27	0 29	0 27	929	0 31	- 36	37	, 43	0 45	147	0 47	9.0 4				
Long			Vdm Ldm	7,435		_	0.0/ _0	0.6	* 4.	* //.5_	16.0	140	1,80	18.0	18.0	× (3.0	18.0	7/1,5	6.5 11.5	5:0 9:0	10.0	- 8.0	100		2.//	5.77	11.5	
			Vdr	6.5	5.9	* 12	ای ک	2.5	* 4	7.5	1 5	*! .S	* 6.	11.0	2.5	*0.	10,5	6.0	_	=	5.0	4.5	4.5	5.0	فها	0.9	2.0	
89		7.0	70		7	. 7	2	2		6	3 10	00	0/0	6 6	7	<i>∽</i>	6	-	6 1	/3	<	2	7	د/	6	00	00	
30.			n Du	9	9 6	7	7	5	~	7	2	7	20	1 20	23/	117	26 30	77	þξ	7)	14	0/-	00	9.	7	9	2	
Lat. 30.6S	-		mp_i	8_5	57	17	7.5	455	5.4	44	رچ د	7	27	46	77	74	_	36	3,	10	15	-2.5	5-5	35	09	5.0	150	
			De Vem Lem	- 14.5	₹.	+ 0	13.5	/3.0	15.0	4 4	13.0.18.0	75.		13.5	9.5	1/15	12.0 19.0	15:5	13.0	8.0	- 9.0	7.5	10.0	11.0	13.0	7.0 130	13.5	
ia			nb/	8.5	\$.0	10	7.5	7.5	9.5	عتنطننا		* '9		* ,\ \\	7.0	1.5.	150	\$.0	7,0	* 15	5.5	47.	3.5	5.0	*°,		15.	
tral		2, 5		14	15	7	0/	0/	(3	20	14	4	0	٥	_	0	0		8	000	9/	14	7	16	17	6	14	
Aus	(Mc)		n _Q (00	7	\% 	9	00	90	13	77	77	75	26	8/	19	47		1 45	28	~	18	- '	00	00	6.	00	
Station Cook, Australia			Fam	79	67	49	49	62	2.5	13.5 44	36	イ	2	2	78	8	70	*~	77	55	47	25	box	77	79	65	99	
S	Frequency		Vdm Ldm	10.0 16.5	15.0	17.5	18.5	17.0	18.0	<i>*</i> /3.5	10.0	*//.5	, s. 97.	6.5	4.0	¥ 2.0	* 0	4.0	* \2,2	2.01	11.0	10.0	12.5	* /3.5/	4//.0	13.5	15.0	
on.	edn		/dm		8.0	9.5	0.0	,5,	* 6	+0.	7.0	* 0.	4/5.0	# W.	4.0	4.0	+2.	6.5'	*×.	7.0	; e _* ‡	5.0	6.0	* is	* 0	2.0	1.0	
Stat	Ţ.	545	70	11	6	7	00	7	19	7	9	2	0/	٥,	7	~	13	14	10	77	17	11	14	٦	9	10	2	
0,		•	۵	10	11	10	10	14	61	28	47 42	33	56 15	2	19	5-5-44	84 65	39	33	55 37	34	85 16	~	4	10	7	00	
			Fam	93	06	87	87	S	59	43		45		5	12.0 53			55	5.5		69	_	16	8	16	93	6	
NOISE			DZ Vdm Ldm	9.5 18.5	15.0	0.9/	18.5	15,5	2.61	23.5	185	\$1.0	19.5	17.0	12.0	12.5	* 8.5	15.0	# 150	1/.5	* 9.0 /8.0	9.0 15.5	145	8.5 16.5	140	10.0 15.0	9.0 16.0	
9		0	V _{dm}	9.5	8.0	9.5	10.0	8.5	#/0//	14.0	# 10.5	7.07	10.5	400	7.0	8.5	4.5	5.0	\$0.0	5.9	*9.0	9.0	7.5	15.8	8.0	10.0	9.0	
		.160	70	9	7	7	7	5_		-	17	41			35 15	61		عام	15-		1/2		10	9	8	00	0	
ğ			na	/3	1	11	10	/3	1	27	27	38	71 88 86	20	35	39	100 28	77	92 26 15	95-25 18	1	17 10	11	1	11	1	10	444
R			Dr Vam Lam Fam	801 051 2.8	801	9.5 17.0 107	10.0 16.0 106 10	701	75	73	100	36	26	2	2	8		16 #5 150 103 22 ds	2		10001	10 9.0 16.0 106	9.0 150 108	FI 8:0 140 106 12	301	11 801	01 001	
노			Ld mb	15.0	13.0 19.0 108	17.0	16.0	18.5	6 9,5 15,5	16.0	135 21.0	206 211	* + \\$.0 \$0.0	*	12.5/9.5	10 10.0 00.0	0.6	15.0	14.0	10 7.0 12.5	15.5	16.0	150	140	15.0	4 10.0 185	4 10.0 16.0	in die glen
10			mb/	2.5	13.0	9.5	10.0	11.0 18.5	2.6	10.0 16.0	/3.5	11.5	# 5.	13.5	12.5	13.0	11.0 19.0	£'s,	8.0 14.0	7.0	10.0 155	9.0	9.0	0.0	9.0 15.0	10.0	10.0	
ES		051	70	17	7	9	4	7	و	~		٥.	7	9	7	10	00	16	7	01	18	0/	8	2	5	4	7	200
ļ		•		00	6	9	8	00	7	=	17	20	20	~	44	61	20	61	81	6/	7	91	0/	0/	6	00	7	1 4 9 1
>			Fam	131	13)	133	/3/	129	12	511	1/3	//3	(3	1.5/		73	150	131	125,	52	127	127	131	/3/	/3/		131	- Strike
~			Ē				5.0	15:0 129	9.5 155 127	15,55	7.0	11.0 175 113 20	5.6	4 / 5/1 0/18	19.0 20.5 118	150 21.0 133 19	125 195 125 20	10.5 17.5 13, 19	15:0 125 18	85 HS 125 19	15.0 127	9.5-15.0 127 16		5.0	50	3.0	13.0	
9			-dmb/	75 115	8:0 13.0	9.0 13.5	9.5 15.0	30.	15.	9.5	0./	0.	3.0	* 0 %	40	50.00	35,	0.5	*0.6	1/2	9.0 /	75.	9.0 15.0	1,5,	0.0	90 /	10%	90 0
Ŧ		013	D& Vdm Ldm Fam Du	4		_		4 70	2	2	7/ 1/20 1/3 17	5	of 120 AS 113 20	5.	w/	* ~	9	* (20	2	5 9	* 12	5	4 9.5 150 131 10	4 10.0 150 131	3 9.0 13.0	4 80 120 131 7	afr.
F		0	Du		7	3-	7	ペ	76	3	7	5	0	0	00	2/	1		2	و	5	10	2	7	7	12	3	and the state of a state of the
MONTH-HOUR VALUES OF RADIO			Fam	157	157	-	157	157	_		151	52	152	151	151	(53)	155	157	15.7	2.6	15.6	1 9-51	151	157	157			
ž	(T2	۱ (۲	NOH	8	ō	8	03	04	05	90	20	80	60	0_	=	12	13/	4-	15 /2	16 /56	17 //3	18	19	20	21 1	22 156	23 157	u
			-	, 0										_										10	64			

 F_{om} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} * median deviation of average voltage in db below mean power L_{dm} * median deviation of average logarithm in db below mean power

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			* E	. 15	15.	6.0	7,5%	6.0	0,	15	5.0	7.0	0.5	ő	7.0	0.9	5.0	3:0	0 7	5.5	6.0	6.5	5	0,7	12.	7.5	0.5
19.62			4mp/	2.5-4.5	2.5 45	2.5 4.0	3.0.6	2.5-4.0	2.5 4.0	2.5 4.5	20.0	2.7	7.5	3.5 5.0	40	4.0 4	30 5		3.51	3.0	4.0 6	3.5-6	3.0 4.5	2.5	2.5 4.5	5.0 7	3.0 5
<u>6</u>		2.0	De Vamilam		8	0	~	~	8	~	7	7	~	7	~	7		1	7	7	4	~	7	~	0	/ 3	0
ber			Da	7	8	2	٥	0		~	7	7	~	8	7	7			00	2	00	7	9	7	7	~	78
Month <u>November</u>			Fam	2	کید	78	23	73	2	2	23	2	2	23	78	Z,	£2	* 3	27	27	27	27	25	25-	73	73	2
Nos				6.5			7.5-			× 5.0	_	* 15.5			7.0			*20.	7.0	_	7.5	10.	* 00 12:00	7.5			0
nth			Vdm Ldm	4.0 6	4.0 7.0	4.5 7.5	6.2	3.5 6.5	* 3.0 S.S.	* 3	* 9	40 %	35 6.0	# 0:0 X	0.0	4.0 6.0	* 2.5 A	S. 1.*	×12	5.0 8.0	4.57	4.5	40	45 7	11.0 16.5	* 4 * 50 /6.0	** 5.0 % 8.00
Š		10	DE	2	3 4	4	9	7	*.)	8 * T	*	* 2	3	~ ~	7	٠ ـ	**	*	0	2	9	7	**	7	* >	* 5/	15
r-f			no	7	7	7	5	7	0/	-	2	2	~	72	7	0			0/	2	7	70	7	7	00	15/	15
Long. 130.4E			Fam	64	44	43	43	14	39	35	33	50	47	25-	157	27	30	*	35-	2	37	37	39	39	81 14	5-8	_
. 13				9.0	8.0	8.0	10.0/	_	8.0	* 0.		11.0		*,5,7	12.5	_	* 0.0		7.5	*0.		7.5	7.0	9.0	0.0	48.	9.0 47
ong-			Vdm Ldm	5.0	4.5	4.5	1 0:5	4.5 8.5	* ~ ~		* 2.5.		*0.	1 0 × 1	* 3.5	40.7	42.0	* 0	* 50.	40.5	4.5	45	** O.	4.5 6	5.0 10.0	40.7	5.0
		75	70	√ 3	4 4	6 4	7	9	***	7	C/P	7	7	7	* 1	-9	9	-	7 0	9	9	7	7	7	~	76	7
0.65			Du	9	72	7	72	n	+	7	1	8	-	7	14	17	51			41	- 1	00	9	9	7	00	7
Lat. 30.65			Fam	5-5	57	57	27	57	15	39	27	23	6	17	17	61	8	8×	* 6	35	43	53	5-7	5.6	19	5.7	57
۲			-dm	0.11	9.5	¥ 9.0	7.5	* 0.//	-	11.5	_			6.5	× 5.0	40.0				*\si	* ° S .	25.	0.0	9.0	75-	70.	30
			l mb/	6.0	5.0 %	5.0.2	5.0	* 0.9		7.5	* * 5.0 //.5			4.0	* \%\	* 15./		* 9.0 \$3.0	* 2	7.0.	+3: 12:	5.0	0.7.	5.0	3,5	*	7.0 /3.0
eile		7.	Dr Vdm	5	∞	2	00	2	7	00	7	ч	~	~	0	0	0			7	6	0	10	5	9	⟨>	*
ustr	(Mc)	2	Du	6	. 9	7	0	5	12	6	00	9/	=	~	01	15/	17			39	17	~	9	6	9	9	0
Station Cook, Australia	٥		Fam	64	99	49	10	49	5-1	37	20	hr	72	44	べる	る	22	*2	5*	36	07	15	40	65	99	99	99
yoo;	ncy		-dm	13.0	14.0	15.0	14.0	18.5	13.0	**	18.0		7.5	× 2.0	* 4.0	\$000	24/0			7.0	450	6.0	10.0/	14.0	*	12.5	11.57
4	Frequency		dr	6.0	7.0 /	*0.	7.0	8.5	*9	1250	× 0.//		4.5.4	*S. S.	\$5,	× 00	* 7.5/	15.0 Julo		* °°	'\.' '\.	3.0	5.0	5.0	7.0	09	2.1/ 2.5
tatic	Fre	545	70	2	* 9	9	9	9	K	~	4	9	4	7	7	0/		Ì		9	2	61	00	7	~	00	6
S			n _o	00	0/	7	0/	8	27	10	61	9/	23	61	77	28				35	23	00	7	0/	>	7	00
			Fam	86	250	3	%	72	42	42	44	46	45-23	44	52	نړې	\$-7	5.6	48	47	23	72	48	8610	88	88	80
NOISE			Dr Vdm Ldm	13.0	14.0	16.0	17.0	17.5	* 17.5 ⁻	*	*//.0	+175	4.0	14.0	40,5,	* /0.0/	/o.o	* 'o	* //.0	0.0	2.8	* //.0	6 6.0 13.0	8 6.5 14.0	0 5.0 11.0	875 150	7.0 14.5
9			N _d m	5.9	2.0 14.0	8.0	* 5.	9.5	/ 0·//		* 0	*	* 5.5	* 0, is,	· · · · · · · · · · · · · · · · · · ·	0.	* 0.5	*~	6.0	*5	5.0	4 4.5.5	6.0	6.5	5.0	75	20
		160	7 a	9	9	7	9	0/	9	//	11	75	13	15	6	7	16			9	10	14	16	00	0/	00	2
ğ			Du	5	7	00	9	10	7	18	44	44	27	14	26	18	16			90 24	77	14	9	0	10	00	00
2			Fam	108	106	h0/	401	707	S	74	74	16	28	80	80	88	90	*%	\$0°	90	92	701	108	106	801	801	801
F			De Vem Lem Fam	16.5	16.0	17.0	10.01 16.0	10.0 17.5	10.0 17.0	10.5 19.0	11.0 19.0	30.0	* 0./2	2.05	13.0 21.5	* \S:S		0.0/	ر. ف×،	46	9.5	4	/3.0	15.5 106	80/0.9/0.8	\$ 10	7.5- 16.0 108
0			Vdm	9.0	8.5	9.5	2.01	0.01	0.0/	t 10.5	0.17	12.0	* 0	* 11.0	13.0	* 2.	7.0	6.0	* × ×	5.0 9.0	5.0	7.0	7.0	*0°	*0	*0°	75
Ä		051	D	9	4	4	7	7	M	7	00	. 0	7	14	0/	10	9			2	00	00	0	2	0	6	7
7			Du	7	9	7	5	00	00	00	7	01	17	2	<i>∞</i>	9	0/			Ç.	0	00	2	00	9	0	0
>			Fam	8.0 13.5 132	/30	130	130	9.0 16.5 128	122	120	10.0 20.5 118	9//	13.0 20.5 114	120	14.0 22.0 /22	126	124	4,49	12.5 126	7.0 12.5 128	128	8.0 12.0 126	129	9.0 15.5 130	9.0 15.0 130	8.5 14.0 131	9.5-1.7.0 130
뜨				13.5	13.0	7.5 15:0 130	¥ 15.0	16.5	10.0 16.0	* /5.0	* 20.5	19.0	20.5	(0.0° 0.0°)	72.0	10.0 16.0	* 15:0	* //.5~	12.5	12.5	13.0	12.0	10.0 16.5	15.5	15.0	14.0	17.0 13
호			DX Vdm Ldm	8.0	7.5	7.5	400	9.0	10.0	4 /0.0	# 10.0	*3	13.0	*20	* 5.	¥ /0.0	15.	e *	*00 S	7.0	7.5.	8.0	10.0	9.0	20	00.	15.
4-1		013	70	~	٨	ત	7	n	4	4	7	4	12	4	و	9	へ			7	r	ぺ	9	7	20	9	157 4 2 9
片			Da	2	3	7	7	n	~	w	~	7	12	19	7	7	3			7	-9	2	2	e	3	2	7
MONTH-HOUR VALUES OF RADIO			Fam	15.7	157	15-7	157	157	157	155	15.57	153	153	153	153	155	155	+157	15-9	15-9	157	155	15-7	157	15-9	157	23 157
2	(TS.	ال (٦	noH	8	ō	8	03	04	02	90	07	08	60	0_	=	12	-13	4	15	91	17	8	<u>ත</u>	20	2	22	23

Fam 2 median value of effective antenna noise in db above ktb

 $D_{\mathbf{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{X}}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm}= median deviation of average voltage in db below mean power

RN-13

SCOME NES-BL

		_	٤																								
62			Vam Lam																								
29 61			7		_																						
		20	o na																								
:				-9	0	30	0	و۔	8	60	. 6	7	7	2	26	38	40	26	25	26	26	27	00	29	88	28	38
Apri			m Fo	26	30	~	30	26	1	1	29	24	24	~	~	~	7	3	~	7	4	~	28	1	7	~	~
ŧ,			De Vam Lam Fam																								
Mon		10	P/ 3																								
5W		,	D Pa																								
-52				~	7	7	30	و	7	30	8	7	a	d	0	7	36	34	46	_0	47	7	5-6	40	46	2	84
7.5.			Vdm Ldm Fam	3	44	S	n	36	37	<u>_</u>	43	34	32	32	30	34	€.	m	2	46	7	54	ک.	4	7	44	7
ng3			m Ld						-			·															
2			P _A Z _Q																								
109		ſΩ																									
Lat. 50-60N Long 37, 5-52, 5W Month April			no ∗≡	.0	<u>ا</u>	45	-	6	~	-0	4	0	_	35	4	7	و	35	35	38	43	49	28	8-8	6	9	49
La		_	De Vom Lam Fam	0.50	45	4,5	5/	53	42	36	42	39	3/	<u>~</u>	34	37	36	, C	_^_	<u>~</u>	7	2	7	ζ2	59	25	2
- 1			E Ld																								
ii		ī.	۸ م																								
ltan	(C)	2.																									
S	(Mc)		*E	\0	_	6	7		7	0		7	σ,	37	<u>ر</u>	37	7	9	8	6	45	7	72	29	57	53	7
USNS Eltanin	ج		De Vem Lem Fam	55	15	49	47	15	41	40	7	37	43		35	<u>س</u>	47	36	39	39	7	47	52	ک.	ς,	2	47
	Frequency		E E																								
Station _	req		V 70																								
Sto	-		D nd				-																				
ĮĮ			Vdm Ldm Fam					-																		=	
NOISE			P E																								
Ž			DZ Ve																								
9			D _u C																								
34			g mp																								
li.			Dr Vdm Ldm Fam																								
ō			Im L																								
SI			7 / Z																								
₹			Fam Du																								
~										_						-											=
5			DX Vdm Ldm																								
¥			7 70											_													
Ė			Dud																								
MONTH-HOUR VALUES OF RADIO			Fam D																								
M	(LS	ר (ר	noH	8	10	02	03	04	05	90	07	80	60	0	_	12	13	14	15	91	17	8	61	20	21	22	23
				U					0	0	ر	0	0		_									(0	(1)	(1)	(4)

 F_{qm} = median value of effective antenna noise in db above kith D_u = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RADIO NOISE

 $F_{\rm om}$ a median value of effective anienna noise in db above ktb $D_{\rm U}$ = ratio of upper decile to median in db $D_{\cal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

April
50N Long.52.5-67,5W Month
Lat.40-50N
USNS Eltanin
Station .

19 62		20	D& Vam Lam																					` .			
rii			m Pu	26	7	30	-	25	৸	54	26	7.	4	9	26	9	28	7	e	7	2	36	7	28	32	.0	9
Lat,40-50N Long.52,5-67,5W Month <u>April</u>			Vdm Ldm Fam	7	7.0	n	26	7	1	1	٦	7	44	26	٦	26	٦	الم	26	34	77	~	3,	~	Δ.	36	36
uth			Vdm L																							_	
w Mc		10	7 _Q																								
67,5			<u>م</u> 2*			~								_									1			٦	
-5.2			Vdm Ldm Fam	9	70	2	ζ	57	5.	50	34	46	10	40	46	32	50	5.8	53	63	49	67	65	68	15	62	65
ong.5			dm Ld																								
		5	N ZO																								
0-20			Du																								
-at.4			Fam	71	10	5-9	55	S	8 1	44	43	3						59	67	69	77	77	75	75	69	75	69
_			Vdm Ldm Fam																								
nin		2,5	De Var																								
Eltar	(Mc)																										
USNS Eltanin			Fam	63	64	63	47	42	3,	42	35	35	32	37	33	45	45	SS	15	67	7.2	85	29	73	73	11	67
	Frequency		DC Vam Lam Fam Du																								
Station _	redu		Vdm																								
Stal	Œ		'a na																								
SE			-dm																								
NOISE			D& Vdm Ldm Fam																								
			_																								
MAD			Fam Du																	_							
L					-						_				_					=	=						
ō			mp7 mp/ 10												_												
JES			70																								
ALL			n _Q																								
>			Fam																								
Ä			Vdm Ldm																								
부			°^ 7′a																								
H			Du																								
MONTH-HOUR VALUES OF RADIO			Fam																								
2	(T2	۱ (۱	noH	00	10	02	03	04	05	90	07	08	60	0_	Ξ	12	13	14	15	91	17	18	61	20	21	22	23

 F_{am} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

USCOME, NES-BL

USCOALL NES-BL

4			Vdm Ldm																									
19_62			17.1																									
1		20	O no											-														
April				3,	30	29	38	32	30	29	28	30	26	77	76	25	76	26	36	38	85	32	30	32	39	30	50	
			De Vam Lam Fam																									
√lon			Vdm																									
5W		10	n _O																									
5-52				hzs.	18	48	50	45	23	53	47	40	37	34	33	36	39	46	37	14	ħ5	54	57	58	57	2.6	53	
Lat, 40-50N Long, 37.5-52, 5W Month			De Vam Lam Fam			7																		- '				
Lo			mp/																								`	
50N		5																										
1.40-			am Du	2	69	71	67	69	64	15	43	39	44	50	30	30	31	18	35	15	7.5	49	69	69	73	69	89	
٥			De Vam Lam Fam		"		9	9	9	<u> </u>	4		2	70	ر	,3	,	1,2	ر.	9	.2	9	-8	7		9	9	
			Ndm Vdm																									
tani		2,5																										
IS EI	(Mc)		70 * ⊑	3	18	29	79	19	1/	29	40	14	43	34	37	~	4	37	31	53	25	61	11	27	27	75	77	
USD			dm	000	00	7	7	7	1	<u>ح</u>	7	2	7	<u></u>	~	32	42	m	Ψ.	7	5	9	7	7	1	7		
Station USNS Eltanin	Frequency		D& Vdm Ldm Fam																			-						
Static	F		70																									
			ء ص																									
Щ			m.													_												
NOISE			D& Vdm Ldm Fam																									
			7a																									
RADIO			n Ou																									x tb
			dm Fam																									e above
R			Dr Vdm Ldm																									e in dk
ES			70																									na nois
ALI			n Du																									anten
<i>></i> ~			mo T	4																								fective
MONTH-HOUR VALUES			Vdm Ldm																									e of et
Ĭ			70																									in valu
TI			n _Q																									Fam = median value of effective antenna noise in db above ktb
NO N	1:0	7) .	- E			2	2	4	22	(0		0	9	C		CI	2	C+	10	(0	_	~	6	0		01	2	Fam "
	ITZ	ل (ا	· MH	8	0	05	03	04	02	90	07	08	60	0_		12	-3	14	15	9		8	6	20	2	. 22	23	

 $r_{\rm GIR}^{-2}$ median value or effective antenna noise in do above kitb $D_{\rm U}^{-2}$ ratio of upper decile to median in db $D_{\rm E}^{-2}$ ratio of median to lower decile in db $V_{\rm GIR}^{-2}$ median deviation of average voltage in db below mean power $L_{\rm GIR}^{-2}$ median deviation of average logarithm in db below mean power

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19 65		20	DA WAM Ld																								
May			Fam Du	27	76	26	26	رق			32	æ	33	30	28	30	0 10	37	35	38	37	37	30	رد	32	32	38
Lat, 20-30N Long, 67.5-82, 5W Month May			Dr Vdm Ldm Fam																				-				
			no																								
2-5-8			*E	53	hh	43	45	44	45-	57		49	43	4)	53	45	5	25	5.5	28	5.6	90	64	S	S	57	53
Long.67			De Vem Lem Fom							1			-														
NOE-0		2	O no																								_
_at. 20			¥₽ ##	9	53,	5.55	67	67	63	Ŋ	49	43	17		37	14	45	47	45	49	25	59	67	67	89	67	70
	(Mc)	2,5	De Vam Lam Fam																								
Ultan			Du D																								
USNS Eltanin				80	29	29	80	00	28	49	75	50	5.0		50	23	63	69	67	67	59	99	73	20	48	83	18
Station	Frequency	495	DZ Vdm Ldm Fam																								
		•	Fam Du	163	97	93	93	95	77	1/8	18	83	83	77	23	83	83	86	77	16	62	46	16	77	108	98	97
NOISE			De Vem Lem Fam																								
0		.160	\blacksquare																								
RAD			Fam Du	12	117	911	9//	811	66	103	601	601	111	111	511	111	77/	۲۲/	129	011	//3	011	5//	113	111	011	777
PP			Dr Vdm Ldm																								
JES		051	DZ Vdr																								
VALI			Fam Du	OHI	135	136	141	136	/23	(23	127	129	127		/33	/37	139	139	127	115	/33	131	/33	137	ShI	128	141
MONTH-HOUR VALUES OF RAD		. 013	Vdm Ldm													1											
TNC			Fam Du	150	ShI	145	145	SHI	/36	136	747	841	841		55/	h51	155	55/	153	127	151	149	149	0.51	127	/30	555
M	(TS	۱ (۲	noH	00	10	02	03 //	04 //	05 /	90	07	08	60	10	11	12 /	13 1/3	14 1/2	15 /	91	17	18	/ 61	20 /	21 /	22	23 155

 $F_{\rm am}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm s}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

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USCOMELNES-PL

	20	mp/																								
		7 0																								
		na																								
		Fam	30	27	28	27	3	38	27	28	28	28			36	35	39	14	36	41	34	34	33	33	28	28
		mp_																								
		Mp√ mb√																								
	10	70																								
		20																								
		*E	5/	is	55	53	53	45	43	42	40	30			38	39	45	39	43	55	5.6	ر کر	24	54	50	5.5
																					P					
	S	Vdm Ldm																								
		70																								
		na																								
		*E	79	6.4	67	89	65	47	5.8	47	47	39			25	ξ	24	54	25	09	63	89	73	70	22	69
	495 2.5	Ldm				Ĩ																				
		mp/																								
(Mc)		Du																								
Frequency (N		*Eo_	29	17	11	75	18	77	09	00	57	8.5	29		11	77	73	74	73	73	75	80	18	2	18	18
		Ldm																								
		DZ Vdm																								
		70																								
		ď																								
		Fam *	103	201	201	007	97	103	97	68	87	90		16	9,	105	103	105	101	66	101	103	105	103	105	20/
		E.P.																								
		DZ Vdm Ldm																								
	160	70																								
		Da																								
		1	14	77	17/	(4)	77/	14/	123	108	111	113		601	/3/	125	125	/25	127	(23	10/	/25	129	133	/23	123
		Dr Vdm Ldm Fam																								
		mp/																								
-	051	70																								
		na																								
		*E	141	138	140	141	143	143	143	131	/3/	501		135	141	147	143	143	144	143	143	141	147	(4)	143	142
		_																								
		D& Vdm Ldm																								
	013	7																								
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		# E	153	5H1	641	641	150	156	72/	051	3	051	140		154	H51	158	151	8-51	158	15-8	151	20 15-6	25	154	23 154
(TS	ג (ר:	noH	8	0	02 149	03 149	04	05	90	20	80	60	0		12	13	14	15	16 158	17	8	7.51 61	20	21 1S	22 154	23

19.62

Lat. 10-20N Long. 67.5-82, 5W Month May

Station USNS Eltanin

MONTH-HOUR VALUES OF RADIO NOISE

 F_{om} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

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19_62
May
ng.67.5-82,5WMonth
Lat. 0-10N Lo
USNS Eltanin
Station
NOISE
OF RADIO
P
VALUES
MONTH-HOUR

			Frequency	(Mc)								
. 051		.160	, 495									
Du De	Dr Vdm Ldm Fam Du		Fam Du De Vam Lam Fam	D _u	Dr Vdm Ldm Fam	Zo no	D Vdm Ldm	Fam Du D	D.c. Vdm Ldm Fam	n Fam Du	DZ Vdr	Vdm Ldm
	35		///									
	/39		115									
	/3/		707									
	/33		101									
641	107		103									
151	129		99									
149	/33		56									
641	/3/		105									
147	/3/		103									
141	129		103									
139	/ح/											
147	(39		11.7									
147	/35		107									
149	60/		/0/									
149	/3/		99									
145	/33		//3									
SHI	127		101									
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 F_{qm} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

USCOMM. NBS...EL

June
at. 0-10N_ Long.67.5-82.5WMonth
Station USNS Eltanin
NOISE
RADIO
VALUES OF

MONTH-HOUR

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 $f_{\rm cm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal Z}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

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SCORE-MES-BL

Fam = median value of effective antenna noise in db above ktb

 $D_{\mathbf{U}}$ = ratio of upper decile to median in db $D_{\mathbf{\mathcal{K}}}$ = ratio of median to lower decile in db

V_{dm}= median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

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12.0 18,5 86 11.0175 90 10.0 15.0 82

= median value of effective = ratio of upper decile to
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V_{dm}= median deviation of average voltage in db below mean power

Lam = median deviation of average logarithm in db below mean power

19_62

Lat. 20-305 Long. 67.5-82.5 WMonth _ June _

Station USNS Eltanin

MONTH-HOUR VALUES OF RADIO NOISE

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db D_{k} = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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Station USNS Eltanin

MONTH-HOUR VALUES OF RADIO NOISE

Lat.30-40S Long. 67.5-

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Ldm Fam

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	F_{om} = median value of effective antenna noise in db above ktb D_{ij} = ratio of upper decile to median in db	ove ktb	ı	ı				

 $D_{\mathcal{R}}$ = ratio of median to lower declie in db V_{dm}^{2} median deviation of average voltage in db below mean power L_{dm}^{2} median deviation of average logarithm in db below mean power

M	HLNC	MONTH-HOUR VALUES OF RADIO	WALL	JES 0	L.	RAC		NOISE	LLİ	Stat	Station	USN	USNS Eltanin	nin	_	-at. 30	0-408	Lon	g.67.5	5-82.	5W N	Lat, 30-40S Long, 67.5-82, 5W Month July	Jul	 	<u>o</u>	19 62	
(TS.										F	Frequency		(Mc)														
		013		.051				00		.495																	
noH	Fam Du	DA Vdm Ldm	Fam Du	Dr Vdm Ldm Fam Du	mp-	Fam D		Dr Vdm Ldm Fam	*u Law	Za na	D& Vdm Ldm Fam	dm Fan	n Du	De Vam Lam Fam	m Ldm	Fam	o no	Dr Vdm Ldm Fam	Ldm	_	D _u D ₄	D& Vdm Ldm Fam Du	-dm Fa	m Du	7 □	MP7 MPA 70	Ε
7 00	150		134			۲//			88																		
841 10	8 %		129			111			h8																		
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20 /4/	141		1/3			66			83								-										
21	143		10			104			88																		
22 145	145		725/			801			85							-										-	
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T.	m = median	Fam = median value of effective antenna noise in db above ktb	active antenn	nd noise in c	oqo qp	ve kîb																					1

 $F_{\rm cm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm cm}$ = median deviation of overage voltage in db below mean power $V_{\rm cm}$ = median deviation of average logarithm in db below mean power

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		Fam*	122	1117	1/6	//3	(7)	108	100	96	86	to/	104	106	107	109	110	K01	86	K0/	100	1/2	//3	116	115	120	
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		Fam*	144	136	138	₹ <i>ħ[</i> 20	04 /33	134	06 /30	07 /30	hE/ 80	98/ 60	10 134	11 136	12 140	13 142	/35	15 /35	80	17 134	18 /36	19 Hz	20 142	21 /38	22 /38	23 142	,
(TS	١ (٢٥	Hou	8	10	20	03	04	05	90	07	90	60	01	-	12	13	14	15	91	17	18	61	20	12	22	23	

 F_{qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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tani		2.	7 0																								
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				73	69	69	89	73	10	5-9	5-6	59	5-0	53	53	5.9	24	67	65	77	89	70	73	72	2	72	74
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DIO NOISE		160	D																								
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S		51	V Vdr				_		_																		
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₹ 			Fam Du	114	101	86	86	86	36	90	3	96	90	90	90	16	92	Fb	92	46	46	201	401	to/	105	401	101
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MONTH-HOUR VALUES OF RAI			*E	/33		حو/ 30	رو/ 50	رو/ 40	05 /39	06 /36	/35	128	124	132	134	136	/38	131	137	136	140	141	145	146	141	141	23 /35
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 F_{Gm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

July
Long. 67.5-82.5 W Month
Lat. 50-60S
USNS Eltanin
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		Fam	601	107	118	7/1	111	103	101	93	2	94	93	98	96	90	90	93	93	98	801	122	128		777	116
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		Fam Du	141	44	5	10	11	137	/35	(52	841	143	2.0		140		144	139.	139	134	132	15-6		148	146	40
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 F_{qm} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

Σ	TNO	H-H	DUR	MONTH-HOUR VALUES OF RADI	UES	OF	RAD	0	O NOISE	1.1	Stat	Station USNS Eltanin	USU	S Elt	anin	1	at. 6	0-20	2	ng.52	5-6	.Z.5W	Lat. 60-205 Long.52,5-62,5WMonthIuly	₽	Iuly	1	19.62	62.
(TS											Ţ	Frequency		(Mc)														
		. 013			051						495	5																
noH	Fam Du		DX Vdm Ldm	Fam Du	=	mp-1 m	Dr Vam Lam Fam Du		De Vem Lem Fam		Du De	D& Vdm Ldm	dm Fam	m Du	De Ve	De Vom Lam	Fam	Du	P/ Ja	De Vem Lem	Fam	Du	De Vam Lam	m Ldm	Fam	D _u C	۸ ا	mp mp 7 a
00	hhl			116			96			12																		
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91	77/			86			78			74			-															
17	801			26			28			99																		
8_	811			100			128			26		-																
6	138			401			90			80																		
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23	23 140			101			65			18																•		
	Fam = me	dian value	e of effe	Fam = median value of effective antenna noise in db above ktb	and noise	in db at	ove ktb																					

 F_{om} = median value of effective antenna noise in db above ktb $D_{\bf k}$ = ratio of upper decile to median in db $D_{\bf k}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power V_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

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 F_{qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{X}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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Laf. 40-50S Long. 67.5-82.5WMonth August

Station USNS Eltanin

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Frequency		L-dm																								
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		De Vam Lam Fam	8	29	98	00	48	2	64	49	49	79	49	56	9	99	49	99	65	73	83	84	200	5	86	81
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		* HB	103	103	101	103	97	93	29	75	77	73	69	73	67	69	Z	67	2	77	2	93	97	95	100	701
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		Fam*	124	124	127	116	120	123	401	401	86	46	96	88	88	102	105	101	94	95	401	114	120	/23	120	77
		Vdm Ldm																								
	013	70																								
	,	Du																								
		Fam	151	25/	152	154	147	147	147	143	143	151	151	151	641	15/	154	/53	(53	150	149	3	155	S	3	157
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 $F_{\rm Gm}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db $V_{\rm Gm}$ = median deviation of average voltage in db below mean power $L_{\rm Gm}$ = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

(Mc)

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Lat. 50-605 Long. 57

Station USNS Eltanin

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	¥uo₁	38	28	26	49	17	27	77	26	74	46	28	26	33	31	28	40	30	30	38	28	38	970	36
	Ldm																							
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	*Eou	37	36	35	34	40	40	36	34	ري	33	31	29	35	36	36	04	ĺs	46	35	37	39	04	4.0
	Ldm																							
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	Fam*	57	5.6	57	5.5	62	55	67	63	63	45	41	14	39	39	37	40	47	53	84	53	50	53	110
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Fam = r	Du	20

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RN-13

SCOMM-NES-BL

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Lam = median deviation of average logarithm in db below mean power V_{dm}= median deviation of average voltage in db below mean power

20	D& Vdm Ldm																	·						
2	Fam Du D	26	26	26	26	28	80	75	32	38	28	27	38	75	27	38	28		29	28	28	38	28	26
	Vdm Ldm																							
10	DE																							

19.62

Lat. 50-60S Long. 67.5-82.5 WMonth August

Station USNS Eltanin

MONTH-HOUR VALUES OF RADIO NOISE

(MC)

Frequency

ap

D_L Vdm Ldm Fam

Du De Vam Lam Fam

D& Vdm Ldm Fam

D& Vdm Ldm Fam

Dg Vdm Ldm Fam Du

D. Vdm Ldm Fam Du

Fam Du

ō

02 03 03

Hour (LST)

29	28	28	38	28	26	
	0					
39	140	40	040	34	36	
53	57	5.2	53	25	25-	
8	4	9	2	85	2	
7	ای	5	9	5	72	
28	80	63				
815	53	85-				e ktb
90	80	8				in db abov
						ifenna noise
1/2	801	011				offective an
						value of
145	147	145-				Fam = median value of effective antenna noise in db above ktb
8	19 147	20 145	21	22	23	IL.

75-

17 145

16 /37

15 147

 D_u = ratio of upper decile to median in db $D_{\mathcal R}$ = ratio of median to lower decile in db V_{dm} = median deviation of overage voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

RN-13

USCOMBLINES - BL

August
-62.5 W Month
2. Long. 52, 5-6
_ Lat.60-70S
USNS Eltanin
Station .

MONTH-HOUR VALUES OF RADIO NOISE

19 62

		1			<u> </u>	ļ																				
		Vdm L										:		ĺ												
	000																									
	`	-	-			-																				-
		20 % C		_	ļ.,				_				_	_				_					~			
		De Vam Lam Fam	60	29	200	36	36	47	20	2	30	36	200	200	28	27	28	38	28	200	28	20	99	8	77	30
		Ę																								
		E E																								
		7			 																					
	10	1_		_																						-
		n _Q	<u> </u>																							
		*E	36	38	34	36	36	36	34	38	3%	34	34	3	The	36	40	ζ	4	40	40	30	39	36	3	30
		-dm																								
		Vdm Ldm																								
	L L		-																							
																						_				
		30 ★ E				1)	~		١		- 4							_	4.		_				_
		r _o	73	45	7	45	47	43	43	کک	45	7	17	61	61	23	36	なな	37	64	7	47	S	45	45	1
		F P																								
		mp/																								
	7 2	De Vam Lam Fam																								
7		70																								
(Mc)			0	.9		4	0	0	~	40	6	9	٥	00	0		6	000	~	00	٥	7	00	٥	•	٥
>		D& Vdm Ldm Fam	63	99	23	79	09	9	CS	7	39	36	30	38	30	3/	39	38	38	84	50	44	48	09	5-6	60
enc		7																								
Frequency		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\																								
F	495	70																								
		-																								
			\$	79	19	26	75	73	70	57	9	09	56	24	09	75	23	44	77	77	69	72	2	22	26	80
	-	Dr Vdm Ldm Fam	00	7	2	7	_	7	-	Α,	9	9	3	5	9	5	2	7	2	7	9	7	-	1	_	00
		الم																								
		P P																								
	160	3																								
		7																								
		Fam Du	93	93	20	16	16	68	85	79	69	75	67	11	69	69	69	11	71	18	72	76	1/	75	85	16
	-			9									-		9	9	9		-						90	-
		Dr Vdm Ldm										_														
	_	\ <u>\$</u>																								
	051	2																								
		n _o																								
		Fam*	811	115	00/	114	120	120	611	011	96	100	97	100	46	90	92	001	801	K/1	108	113	114	4	7/	116
			*																				\rightarrow			
		DA Vdm Ldm																								
		20	-																							
	013	<u></u>																								
		00																								
		*up	145	01 144	147	641	147	841 50	051	641	90 ld4	141	143	145	143	145	145	144	143	747	18 145	147	641	147	145	145
(1)	S7) ·	_	SH/ 00	0	02 147	03 149	04 147	92	90	20	80	1/1/ 60	10 143	=	12	13	4	15	9	17	8	19 147	20 149	21 147	22	23 145
																							.4	.4		

 F_{am} = median value of effective antenna noise in db above kitb D_u = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{am} = median deviation of average voltage in db below mean power L_{am} = median deviation of average logarithm in db below mean power

Lat. 30-408 Long.67.5-82,5W Month September 19 62_			Vdm Ldi																								
ı.		20	70					_	1	_			_	_	4										_		<u> </u>
mbe			D.	_					_		_					,					2	,				9	6
pte			De Vam Lam Fam	27	7	47	7	27	3,	35	40	43	4	1	36	35,	39	7	39	39	37	35,	33	33	ñ	29	29
h Se			Ldm												1	4.											
lont			\dm \dm													:	- 1										
W N		10	ď										1														
82.5			n _o															:									
.5-			Fam*	39	42	4	40	38	45	49	46	18	£ 50	74	3	47	44	7 4	12	50	5	5	ري	5	47	9 7	47
19.6 <u>7</u>	9		Vdm Ldm												il i	;	i	;					,				
Lo Lo			\dm \dm							-	1																
S01		5	Z _Q							-																	
30-4			n ₀							1											Í						
ŧ			De Vam Lam Fam	50	5.5	3	53	57	9	玄	3	5.5	54	55	50	49	54	50	56	25	77	64	6.0	89	3	58	60
			Ldm																								
Ę			Vdm																								
tani		2,5	Z _Q																								
百	(Mc)		Du																								
USNS Eltanin	1 :		Ldm Fam	9	59	5.6	28	57	57	47	S	23	S	25	ري	50	53	5	5	ζ	ري	5	5.5	5.6	00	19	09
1	Frequency		Ldm*		8.0	8:0	4.0 11.0 58	8,5 15.5	3.5 6.0	3.5 7.0 47	7.0	6.0 10.5		2.5 6.0	6.5	2.0 4.5	1.6 3.0	2.0 4.0	2.5 S.0 53	2.5 5.0	5.0 8.5	4.5 8.0	5.0		3.5 6.5	4.0 7.0	30 70 60
Station	nbe	2	D6 Vdm		3.5	4.0	4.0	5.5	13:57	12.5	3.0	6.0		3	2.5	3	/. b	2.0	15	ار اک	5.0	4.5	0.0		ک _: ک	4.0	30
Stati	F	495	70																								
0)			٥																								
			Fam	92	20	16	90	29	1/	7	74	76	26	26	7	7	89	m	72	80	2	86	90	16	90	2	92
SE			Ldir.	0.01	5.0 10.0	9.0	9.0	5.5 10.0	10.0 17.5	7.5	10.5	11.0	8.5		0.01	0.11	2,0		6.0 10.5	11.5	2.0	6.0 11.0	2.0	40 8.5	20	7.5	
DIO NOISE		0	Dr Vam Lam Fam	5.0	5.0	6.0	5.0	5.5	10.0	4.0	20	2.0	7.0		6.5	7.5	3.0		6.0	9.0	3.0	6.0	6. 0	40	5.0	3.0	
0		.160	70																								
ğ			Da																								
2			Dr Vdm Ldm Fam Du	114	(1/3	110	108	108	3	Z.	2	48	3	84	85	98	18	48	3	2	96	001	ha/	106	801	0//	114
느			Ldm	8.5 14.5		12.0	8.0	6.5 10.0	10.0		0.06 2.61	9.0 140	6.5 10.0	17.5		125	7.5	9.0	4.0 8.0	5.0 12.5		5.5 10.0			6.5 10.0	6.5 11.0	
%			±μp/	8.5		2.0	4.5	6.5	20		2.61	9.0	6.5,	0.0/		2.0	4.0 7.5	4.5	4.0	5,0		5.5			6.5	6.5,	
Ä		051	7 _Q										į														
7		•	na																								
>			* mo	128	128	130	/30	128	77/	118	1/6	116	115	8/1	119	121	00	77	119	116	116	17/	104	95 155 126	126	16.0 127	126
民			* #b	10.0 16.5	6.0 las 128	6.0 12.0 130	1/.0	6.5 11.0 128	8.0 13.0 126	115 18:0 118	9.0 13.0 116	10,5 165 116	6.5 10.0 115	8.0	8.0 18.0 119	9.5 15.5	1/15		5.5 10.0	6.0 10.0	11.0			15.5		16.0	
S			DX Vdm Ldm	10.0	6.0	6.0	6.0 11.0	6.5	000	11.5	9.0	10.5"	6,5	5.0 8.0	0.8	9.5	0.9		5.5	6.0	6.5			95.		10.0	
+		013	70																								
F		'	Du																								
MONTH-HOUR VALUES OF RAI			Fam Du	151	153	151	153	155	153	153	15/	151	151	157	153	15.5	157	159	159	157	hS/	153	154	20 /53	/53	153	23 153
Σ	(TS	ST) 4	noH	8	ō	8	03	04	02	90	07	90	60	0	Ξ	12	13	14	15	91	17	8	61	20	2	22	23

 $F_{\rm dm}$ = median value of effective anienna noise in db aboye ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ 2 median deviation of average voltage in db below mean power $L_{\rm dm}$ 2 median deviation of average logarithm in db below mean power

9 62
ong.67.5-82.5WMonth September 1
Lat. 40-505 La
USNS Eltanin
Station
NOISE
OF RADIO
VALUES OF
TH-HOUR
MON

		Vdm Ldm																								
		7																						-		
	20	Du																								
		Fam C	رې	757	25	29	27	39	27	39	20	29	27	27	29	27	3,	29	25	27	257	25	27	27	27	47
		Ldm Ldm																								
		De Vem Lem																								
	10	DE																								
		ng u																N.	-							
		n Fam	44	44	48	76	3.4	47	44	74	35	2	38	77	30	30	32	38	45	47	18	84	5.	45	48	46
		Vdm Ldm								-																
	ıcı													-										-		\dashv
		Du				1					Ì															
		Fam*	09	79	09	てつ	49	179	i	45	36	35	42	30	29	30	42	40	47	G	50	73	89	99	89	64
		Ldm																								
		De Vem Lem																		į						
	2, 5	70																								
(Mc)		» D			la	23				1	1.3									~	-	١.	7			
		D& Vdm Ldm Fam	35 8.0 58	5	5.5	0 59	50	0 47	14/	250	250	5 27	0 3/	29	5 30	چي ارد	7	36	7	5	- 49	-5.5	57	5.9	9	10
Frequency		¥ α L	15	3.0 65	2.0 5.0	011 5:5	5.0 9.0	6.0 11.0	3.0 7.5	3.5 9.0	20 5.0	2.5 0.5	2.5 6.0		3.0 6.5	2.5 0.5	1.5 5.5	3.0 6.5	2.5 6.0	3.0 7.5	3.0 6.5	4.5 8.5	3.5 7.0	4.59.0	3.0 6.0	3.0 6.5 61
req	495	7 V6	e,	Ŋ	4	Ś	63	•	~	anj.	7	Ŷ	~		<i>w</i>	3	~	~	7	v,	ب	7	Š	7	Ŋ	3
	•	٥																								
			20	3	90	90	2	74	20	74	89	20	89	~	7	72	7	20	70	2	26	18	93	89	3	2
		Dr Vam Lam Fam	4.5 8.5	7.0	9.0	4.0 8.5	4.5 8.5	9.0 15.0	8.5- 12.0	11.0 /3.0	4.5 12.0	7.0 11.0	6.0 11.5	000	7.5	0.//	7.0	8.5 15.0	9.5	0.6	9.0	8.0	7.5	7.0	9.0	20
	c	/mp/	4.5	3.0	5.0	4.0	4,5	8.0	5.0	0.11	4,5	2.0	6.0	4.0	4.0	6.0	4.0	8.5	5.5	4.0	45	4.0	3.5	3.0	40	3.0
	. 160	70																								
		7 P	-		7		0	9	-	7	7	- 5	4			•	•					0	0		7	7
		Ldm Fam	801	7,5-13.0 110	9.5 104	0 106	99 0.	5 96	17.0 77	16.0 84	pc 0:	0 76	68	6.0 115 75	11.0 71	9.0 78	9.0 78	5 70	W 0.	7.0 12.5 96	6.5 12.0 92	6.0 13.0 100	6.5-11.5- 99	5.5 9.5 101	401 26 Sis	FOI 0.01 5:5
		문 *트		5-73	5.5	6.0 110	7.0 12.0	8.0 125	11.0 //	10.0/6	7.0 130	2.0 5.0	6.0 12.0	1// 0	6.0 11	5.0 9	5.0 9.	8.0 /3.5	5.5 10.0	20	ار الا	0 /3	5-11	7	5	5 10
	051	₩PA 7a		7	4	9	7	90	1	10	7	~	13	9	9	4	3	a.	3		9	9	ė	25	رت	Lj.
	•	Du									1															
		*E	701	128	(32	/32	128	101	170	117	811	1116	111	111	114	611	811	911	114	1	70	461	401	125	128	100
			7.0 12.0 126	861 0.11 0.01	8.0 13.5 132	4.5/ 16.0 132	9.5 16.0	1.0 12.0 126	8.0 /3.0	9.0 15.5	9.0 15:5 118	911 5:51 0:01	9.0 15.0 116	85-14.5	6.0 11.0	6.0 11.0		9.0	9.0	5.5 10.0	7.0 11.5	6.5 11.5	7.0 13.0 134	9.0 13.0 125	7.0 12.0 128	8.0 130 138
		DL Vam Lam	7.0	10.0	8.0	9.5	9.5	7.0	8:0	9.0	9.0	0.01	9.0	85	6.0	0.9		5.0	5.0	5.5	7.0	5.9	7.0	9,0	7.0	6.0
	. 013																									
		*E		7.0	10	١	(۵	<u>\</u> _\0.	1,0	.,	2	80	5		15	79	6	7	10	4		2	157	ما	,0	5
(TS	רך:	₩.E	00 /53	755/ 10	02 155	03 /5:5	04 155	55/ 50	55/ 90	151 10	80 /53	60 /53	10 155	1 /53	12 155	13 154	14 159	15 157	16 155	17 154	18 151	19 155	20 /5	21 /55	22 155	23 /53
(13	','		0	0	O	0	0	0	0	0	0	0						_	-	_			2	2	7	2

 $F_{\rm qm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

0 1

(TS.												Frequency	(Mc)	(5)												
۱ (۱		. 013	23			051		.1	160			495		2.5	5			72			10			2	20	
	Fam D	Du D	DX Vdm Ldm		Fam Du	De Vam Lam		Fam Du D	Dr Vam Lam Fam	*up-	Fam Du	D2 Vdm Ldm	Fam*	Ja na	Vdm Ldm	dm Fam	Du		₩P¬ ₩P∧	For Du	Σq	Vdm Ldm Fam	Fam	Du		Vd# Ld
8	146		11.5	11.5 19.0	611	7.0 /	٥.٤/	46			84 8	40 8.5	154			53		5.	5.0 7.5	43			27			
ō	145		6.0	13.0	611	9.0	17.0 9	95	8.5	85 16.5	84	5.0 10.0	(5)		5.0 8	8.0 54		. 6.5	5 9.5	1/6	3.0	5'5 0	20			
8	02 147		9.0	9.0 /35	130	10.01	0.8/	96	5.5	5.5 11.0	84	5.0 //.0	050			ς		نې	0.0/ 5:5	42	4	2.0 4.5	4.5 27		7,5	7
03	147		12.0	12.0,000	611	10.5 19.0		66	2.0	/3.0	83		49		3.5 7.	1/5 0				42	گ.	3.0 6.0	26			
04	147		9.5		119	9.0 12.5		44	6.5	11.0	80		47			S		4.5	7.5	38			26		1.5	Δ
02	05 149		9.5	9.5 140	100	9.0	9.0 12.5 90	30	5:5	13.0	2		49		4.0 6.	1/2/2		-		38	4.0	0 7.0	72		1.0	گي
90	149		7.0	7.0 11.0 118	18			80	7.5	12.5	72		146			58				4,			29		7.5	17
07	146		8.5	8.5/3.5/	601			12			73	2.5 7.5	33			2				47			27			
80	941 80		6.0	6.0 10.0	ho/	, 0'//	18.0	2,	3.0	7.5	74		35			41		6.8	5 9.5	41	3.6	0.5.0	28		2,0	· (r)
60	Sh/ 60				9 0/	6.5	9.0	70	35	7.5	72	3.0 8.0	29		5.5	8.0 32		00	8.0 11.0	36			752		/. 6	٥ ک
0	145		7.0	7.0/2.5	(0)	2,0	9,5	21			73		29		2.0 5	S.5 32		0.9	0.80	36	7.5	5 3.0	27		1,0	۵.
=	6H		5.01 2.5		107	3,0 8,5		89			69	2,5 6.5	3/		3.0 6	6.0 31		4.0	000	80	7.0	2,5	27		2.5	4
12	841				104			70	,		69	1.5 4.5	-35		6.5	8.0 3,		6,5	5 80	36	3.0	5.0	27			
13	/2/		4.0	8.0 /	/ 0/	2.5	6.0	67.	25	6.5	77	2.0 5.0	5.0 34			30		3.5	5.0	32	3.4	2.5 4.5	12			
4	150		3.5	7.0	901	40 8.5	_	67	2.5 4.0	=	72	0.5 5.0	5:0 35			34				33	57	1,5-4,0	27		7	M
15	(53				801	2.5 4.5		67	3.0	5:5	76	2.0 6.0	38		-	36		40	0.9	36	Ť	2.0 40	g		3.0	ň
9	153		4.5	80/0.8	80		7	67			70	1.0 4.5	39		3.0 6,	5:0 44		ری _{، ک} ی	5.0	5	0.4	0 45	28		1,6	1.0 2.
17	5		0 %	0.8	00/	40 %	7.5-	67	4.0	7.0	72	5.5 9.0	040		12.57	6.0 48		ω, , ν.	6.0	4	5./	5 40	38		1.5	8
	121		0.9	0.0/	102	3.5 6.0	_	75			2	5.5 10.0	17		2,5 4.0	64 0		જે	کری 0.0	30	/.5/	5 40	27		ri	دې ٥٠.۵
<u>6</u>	151		8.0	8.013,5 114	14	6.5	0.6	86			86	2.0 4.5	747		3.56	L.S. 2.9		7.5	10 10	43	0.0	2.40	50		ri	2.00.0
8	6H1		8,0	8.0 12.0	8/1	6.0	9.0	88	3.0	515	86		7.5		4065	5 54		M	3.0 5.0	43	4	2.0 4.0	27		1.5	<u>~</u>
2	641		8.0	8.0125	120	6.0	11.0	90	5.5	17.0	28	4.5 10.0	52		406	6.0 58		Š	30 45	44	3.5	5.0	27		اک ک	m
22	149		0.//	11.0 15.5	8//	3.5	8.5	92	4.0	5,5%	88	4.5-10.0	23		4.5 6.0	090.		'è	6.0 7.0	144	3.0	ه کره	27			
.23	23 149		9.0	9.0 10.0 118	8/1	7.0 12.0		46	5.0	9.0	26	4.5 8.0	533		40 7	2.0 58		3:	40 6.5	75			27		2.0	4.
																										1

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*E

Lat. 50-60S Long. 52.5-67.5 WMonth September 1962

Station USNS Eltanin

MONTH-HOUR VALUES OF RADIO NOISE

1/2

Lam * median deviation of average logarithm in db below mean power F_{am} = median value of effective antenna noise in db above ktb D_u = ratio of upper declie to median in db $D_{\mathcal{E}}$ = ratio of median to lower declie in db V_{am} = median deviation of average voltage in db below mean power

	TICATO FILL DIS	CONTRACTION
•	2017	
100	15	
(INT	<u> </u>

Lat. 50-605 Long. 67.5-82.5 WMonth September 19 62

		+E		3.0	7.0	4.5	5.0	7.0	5:0	000	4.0			5.0	45	4.0	3.5	3.0	7.0		3.0	40	3,0		2.5	
		* Mp_ mp_		2.0	6.0	3,0	3.0	6.0	3.5	75%	3,0			3.5	3.0	2.0	7.5	75/	6.0		2.0	3.0	0.0		2.0	
	20	7 0																								
		nq																								
		Fam	26	27	27	27	27	74	27	47	29	27	36	27	29	29	47	27	26	27	27	27	26	27	27	27
		Dr Vam Lam		Se			7.5	0.0	8.0		9.5	8.0				4.0		2.0 4.0	2.0 4.5	3,5 6.0	5,0	4.0 6.5		5.0		
		*#P/		3.0			5:5	6.0	6.0		5.9	4.5				2.0		2.0	2.0	74	4.0	4.0		3.5		
	10	Ja																								
		n _o											,													Ų
		* E0.4	45	45	hh	4	44	1/3	3	1/2	39	34	28	28	3	ಸ್	34	38	42	44	44	3,5-5.0 48	46	46	44	6.5 45
		Vdm Ldm		5.0		6.0	4.0 7.0	6.5 10.0	7.5 10.0	9.5	8.0	10.5		4.5	3.5 4.5	9.0	5.0	6,5	2.0 4.5	P.S- 11.5	5.0	5.0	0%	6.0	- 6.0	6.5
		Van		3.0		3,5	4.0	6.5	7.5	6.0	4.5	7.0		3.5	2,5	75.5	3.0	3.0	۵.%	8.5	3.0	3,5	2.0	30	3,5	4.0
	rv.	7 ₀																								
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		¥ Fam	- 64	09	9	5 5	5 56	29 0	146	34	32	30	78	32	37	5 37	35	2	45 20 44	150	56	850	55	75	49	64
		De Vem Lem	5.0 8.5	3.5 7.0	3.0 6.0	3.5 6.5	7.0 10.5	6.0 8.0	0.0	7.0 9.5	5.5	7.0 11.5			_	2.4.5		4.0 6.5	5 20	2.0 4.5	3,5 5.0	3.0 5.0	500	5-7.5		
	rU.	PA 7	رې	, c)	w,	Ϋ́	7	ė	4.5	7	4	2				3.0		7.	7	Ž	ď	w)	2.5	4.5		
ा	2.																						\dashv			
(MC)		Fam Du	57	5.5	53	2,5	64	15	37	29	3	34	29	3	1/1	3	39		14	47	15	47			15	1,5
5			5.5	2.0.5	6.5	5.0	\rightarrow	_	5.5	د کری	3.0 6.5 33	=	95 3	9.0				3.0 41		5:5	5.5		12/	3.5 51	6.0	3.0 6.0 55
Frequency		DC Vem Ldm	3.0	40 7.	3.0 6.	20.50	45 8.5	6.0 10.0	2.5	3.0 5	0	3.5 8.5	3.5- 9	45-9	2.5 5.5	7.0 3.5	2.5 5.6	1.5- 3.	3.0 6.0	2.0	2.5	3.5 7.0	40 8.0	1.5 3.	2.5	0
red	495) Z Q	3	7	η.	ፕ	7,	9	~	~	ω,	60	W.	3-	Š		R		~~	જ	Š	Δ	7		~	<u>س</u>
	4.	חם																								
		* E	90	48	85	28	74	19	79	65-	65	99	69	89	77	4 4	62	64	65	70	4C	29	29	29	48	29
			7.5		7.0	2.0			8.5	9.0	_	\equiv			2 5.7	_	_	0//		3,0	8.0		7.5	7.0		0.0
		DZ Vdm Ldm	35	4.0 8.0	3.0 /	3.5	5.0 9.5	7.5 12.5	5:5	6.0 9	4.0 6.5	8.0 11.0		11.0 17.0	2.8/0.01	11.0 18.5		5.5	7.0 12.5	3.5 3	5.0 6	4.0 7.0	3.5	4.0	40 75	3.0 7.0
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	·	Da																								
		* Ho	46	94	95-	93	88	2	69	89	67	62	69	67	00 1	77	67	67	67	20	76	22	20	87	3	47
		* 60	8.0	_	5.5 9.5	6.5		9.5 17.5	=	15.0	16.0 67	-	=		6.5 12.0 68	2.5	9.0	3.0	9.0 15.5- 67	ه:ی	=	%				
		De Vam Lam	4.5	5.0 9.0	-2,2	45 815	6.5 10.5	9.5	7.5 12.0	9.0 15.0	0'//	13.0 18.0	14.5 20.0	8.5 /2.0	5.9	7.0 12.5	75.7	8.0 /3.0	9.0	0,0	7.0 12.5	2:5	6.0 11.0	6.0 10.0	4.0 8.5	5.0 9.0
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		¥ Eo H	77	128	\X\	118	1/1	011	106	101	201	tol	001	104	hol	hal	701	103	101	101	011	611	7/	///	114	120
		Ldm	7.5 11.5	7.0 12.0	26.5 13.5 125	6.5 11.0	7.5 15.0	8.5 145 110	9.0 15.0 106	8.5 13.5 101	8.5 /3.0	8.0 14.0	8.0 11.5	11.5 13.5 104	8.0 10.5	5.0 9.0	7.0 11.0	5.0 9.0	LO1 0.01 0.0	11.5	4.0 8.0	6.0 10.0 119	7.5 12.0	5.0 8.0	7.5 11.5	8.0 125 120
		Dr Vam Lam	7.5	7.0	218	6.5	7.5	8.5	9.0	5.8	8.5	8.0	0.8	5.11	8.0	5.0	7.0	5.0	6.0	6.5	4.0	6.0	7.5	5.0	75	8.0
	013	_																								
		Fam Du																								_
			147	8h1 10	02 49	151	04 149	56/ 30	06 142	7/1	14H 80	-Sh/ 60	10 147	11 149	12 148	150	157	641	145	143	144	19 143	145	21 145	22 15	145
(18	ار (C	noH	8	ō	8	03	04	05	90	20	90	60	0	=	12	13	4	15	91	17	18	6	20	21	22	23

 F_{am} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

Du Dig Vam Lam Fam Du Dig Vam Lam Page Vam Page Vam Lam Page Va	MONT	MONTH-HOUR VALUES OF RADI	WALUI	ES OF	RADIO	NOISE	ळ	Station USNS I	anin	Lat. 50-605 Long.52,5-67,5W Month October	2,5-67,5Wh	Month Octob	er 19 62	62
10. 10. 10. 10. 10. 10. 10. 10. 10. 10.								neucy		1				
	Hour P	Dr Vam Lam	Fa# Du	De Vam Lan	Fam Du	MP MP / 70	2		-	2	70	* Vam Lam Fam	2	# Lam
10 10 10 10 10 10 10 10	00 145	75.8			00/		22	7,5 12,5 63	6.0	5.5 8.0	64	76		15.5
10 10 10 10 10 10 10 10	01/47	10.0 16.5	120		==	7,5 12.5	87	4.5 9.0 62		4.0 7.0	146	3.0 5.5 25		25.0
10 10 10 10 10 10 10 10	02 146	0.8/5.01			97	0.8/	87.		9.5	3,5 6.0		6.0	~	3.5
10 160 17 10 16 18 18 18 18 18 18 18	03 147	12.9 185		8.5 14.5	=		83	7.0 13.0 58	229	0.3 2.6.		3.5 6.0 27	70	2,5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	04 146	12.0 18.0		10.0 16.5	=	10.0 14.0	85		3		43	5.5		
1,	841 50		611	0.61 2.61			77	5.0 12,5	45	45 7.5				
100 101 102	64/ 90		116			13.5 15.0	_	L'S.	5	4,5 7,5	_	29		
100	07 143		107	17.5 17.5			62	46	45			26		
45 95 101 45 95 101 45 95 101 45 95 101 45 95 101 45 95 101 45 95 101 45 95 101 46 10 100 47 95 101 47 95 101 48 95 101 49 95 101 49 95 101 40 95 95 101 40 95 95 101 40 95 95 101 40 95 95 101 40 95 101	98 /36		100				99	15	Ch		47			
45 95 (01) 67 45 95 34 34 34 33 36 45 95 (01) 72 70 65 64 30 70 86 34 33 33 36 45 95 (01) 73 70 65 64 30 70 56 44 47 33 36 36 45 95 (01) 73 70 65 64 30 70 56 44 47 33 36 37 36 45 95 (01) 73 30 65 64 35 75 54 44 47 33 36 36 47 37 36 36 45 95 (02) 73 30 65 64 15 75 65 67 44 47 43 35 60 37 40 55 (10) 13 13 15 75 55 27 25 65 37 47 47 36 30 30 35 60 37 37 30 30 30 35 60 37 37 30<			95		65		59	30	34		1/1	જ	11	0.000 0.
45 95 101 103 104	144		95		67			9,5	44			50		
10 10 10 10 10 10 10 10	_				7.2	815	64	2.0	34		33	30		
45 95 106	141 21			5.5 10.0	_	11.0 /3.0	99	33	47		33	28		
4/5 95 106 73 2,0 5.0 5.9 2,5 7.0 32 41 34 41 36 60 73 2,0 5.0 5.9 42 42 43 3.0 5.0 3.7 40 5.5 10.5 10.6 81 1,0 3.0 65 2,5 5.4 5.4 5.4 7 43 3.5 5.0 3.7 3.0 5.0 3.7 5.5 10.5 10.6 1/3 1/4 5.0 6 1/5 10.5 5.4 1/5 10.5 5.7 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/5 10.5 5.4 1/	13 142		107		2		85	2.0	36		3,	27		
5.5 (10.5) (10.0) (1.0)	841				73		6.5	0.5 7.0	4		4,	28		
5.5 10.6 10.6 10.7 10.3.0 65 0.5.7 5.4 5.0 6.5 47 48 3.5 5.0 3.1 3.0 3.0 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10	8/1/8		001		73		65	2,5 7,5 54	42		39	3.0 5.0 27		7.
46	16/4/	5.01 5.5			18		65	7.5	5.5		43	0:5	~i	0.4.0
25 140 1/5 65 1/10 62 5.5 95 70 5.7 5.4 40 6.5 46 2.5 5.0 5.7 40 6.5 46 2.5 5.0 2.8 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	941 21		96		10	3.0 9.5		1,5 6,5 56	4.0		40			0.4.5
20 140 115 65 11.0 62 2.55 9.5 70 3.5 50 55 50 55 40 6.5 46 2.5 2.5 2.5 2.5 2.5 2.5 40 6.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	18 149		1/3		2%			75.	S		43			_
20 155 117 65 115 91 45 110 65 1570 62 3.0 5.0 58 45.5 20 43 40 65 27 27 20 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.	947	0.41 5.5		6.5 11.0	married by	5.5 9.5	70	53			76		ŕ	
5.0 165 116 6.5 115 91 4.5 11.0 85 4.5 12.0 64 60 40 6.0 43 35 555 27 25 27 6.0 185 11.6 6.0 143 4.5 7.0 27 25 27 25 27 25 25 25 25 25 25 25 25 25 25 25 25 25	05/0	2.0105	=		85.	15.0	80	_	5,0	4,5 7.0	43			
6.0185716 95 70 1357 91 68 2550 60 555 43 45-70 27	146	5.21 0.5	_	6.5 //.5		4.5 11.0	85		09		43	=	Ψ,	040
6.01851118	22 146		117		93		90	00			- 43	25.4		0 20
	23 146	6.0 18.5	8//		1957	7.0 13,5	16	70			43			0.40

 F_{Om} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

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						17.0		Frequency	(IMIC)	Ų		u		9		
95	Vd# Ld# Fam Du D2 Vd# 1	na	1 mp/ 7d	1 7	0	<u> </u>		+	7 70	De Vam Lan	_	Dr Vam Lo		-		070
30 97 1.5 3.5 9.5	11.0 16.0 120	120	7.0	1		7.0 %	2.0 83	5.0 9.0		2.5 6.0		3.0 5.		3.5	6.5 27	2.0
	10.5 17.0 121 8.5	121	8.5	5	_	1, 5.9	3.5 85	4.0 10.0	49	3.5 6.0		457		2,5	2:5	اري. مراج
49 93 6.5 6.5 6.0 73 90 945 6.5 73 75 75 75 75 75 75 7	9.017.0 119 7.5		2,5	3	_	7.5-		4.5 8.5	3.5	3.5 6.0	15.4	4.0 6.	140	12.5		1,5
10 10 10 10 10 10 10 10	272 120 121	121	کاری	0	_	6.5	2.0 79	8,0 14.5	27	4.0 6.5	d	40 6		3,5	5.5 27	1,5
15	2,8 20.0 114 8.5	114	2.08	3		10.9			2.6	5.5 7.5	Ç	4.5 %		72,5	6.0 27	12.5
15 16 5.0 15.0 15.0 14.0 15.0 13.0 14.0 15.0 13.0 14.0 15.0 13.0 14.0 15.0 13.0 14.0 15.0 13.0	12.0 17.5 113 11.0		1/10	9/	-	400	_		25	3.5 6.5		6.0 8	_		8	35
	103	103	5,5	6			52	5.0 10.0	40		4	7.0 A		4.0		2.0
55	9.5		7.	0/00		5.0 8	19 51	4.0 8.5	42	5.0 9.0	36	4.0 7	.5. 35-	4.0	1	٥.٨
	93	93			65	105 11			hh	7.0 11.0	36	4.5 6		3.5.6		5:5
71	97 4.0		8,0	1,3	~	9.5 %			47	6.0 8.0		8.0.2		2,0	==	7,5
	703	/03			12	1/5/1	7.5 65	4.0 9.0	86		40	4.5 8	35	3,5		2.0
67	/07 //.0		٥//	18	6	16.5	8.0 61	5.0 9.5	141	6.0 11.0	32	4.5 7		40	==	2.0
6.7 145 770 59 5.0 3.0 6.0 32 40 6.5 31 3.5 6.0 34 3.5 5.0 34 3.5 5.0 37 3.5 5.0 34 3.5 5.0 37 3.0 6.0 37 3.5 5.0 34 3.5 5.0 37 3.0 5.0 37 3.	107	107			67	12.0 14	40 61		40	4.0 6.0	34	4.5 8		4.0		
8.0 6.6 4.0 6.0 30 3.5 5.0 34 3.5 3.9 3.5 3.9 3.5 3.9 3.5 3.0 3.0 3.0 4.0 6.0 3.5 6.0 3.5 6.0 3.5 3.5 6.0 3.5 3.5 3.0 3.0 3.0 3.0 4.0 4.0 7.0 4.3 3.0 4.0 4.0 3.0 4.0 3.0 6.0 3.0 6.0 3.0 4.0 3.0 6.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 6.0 4.0 4.0 6.0 4.0 6.0 4.0 4.0 6.0 6.0	6.0 13.0 106	901			67	1451			570	3.0 6.0	=	40 6		3,5		
8.0 70 1/5 /35 /59 4.0 8.0 48 35 6.0 39 35 6.0 39 35 6.0 39 35 6.0 37 1.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4	102						5.5	5.5 10.0	46	4.0 6.0		3.5		2.5		3,5
77 \$\text{g}\text{o}\text{fig}\tag{6}\text{d}d	6.5 11.5 97 S.		ائ	0	_	11,5/1	3.5 59	4.0 8.0	84	3,5 6.0	39	356		3.0		0,0
77 5.0 8.5 72 5.1 5.5 47 4.0 70 43 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 3.0 6.0 47 4.0 6.0 47 3.0 6.0 47 <t< td=""><td>99 6.</td><td></td><td>ė</td><td>5 10.</td><td>5 71</td><td>0 %</td><td>1.0 64</td><td></td><td>46</td><td>40 7.0</td><td></td><td>7.5 3</td><td></td><td>1.5./</td><td></td><td>0,0</td></t<>	99 6.		ė	5 10.	5 71	0 %	1.0 64		46	40 7.0		7.5 3		1.5./		0,0
83 5.5 0.0 81 4.5 8.5 6.2 5.1 4.0 5.7 4.3 3.5 5.0 43 6.0 6.0 899 5.5 0.0 875 6.3 3.5 6.0 5.2 4.5 6.5 4.3 3.5 6.0 4.0 6.0 5.2 4.5 6.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4	7.		7.	7.5 /3		3.0 8			5	7.5 5.5		40%		3.0	6.0	2.0
99 5.0 10.0 83 5.0 10.0 63 3.5 6.0 5.2 4.5 6.5 43 3.5 6.0 3.9 99 9.5 6.0 10.0 83 5.0 10.0 83 5.0 10.0 83 5.0 10.0 83 5.0 10.0 83 6.0 10.0 83 6.0 10.0 83 6.0 10.0 80 6.0 10.0 80 6.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	75 130 109 7.		7.	7.0 13.		2.5 //		8.5	79		رح/	4.0 5	15 43	3,51	ي ه	
93 5.0,0.0,83 5.0,0.0,83 2.5,8.0 56 3.5,60 47 4.0,80 27 9.0 60 25 4.0,0.5 4.0 4.0 8.0 27 3.0 5.0 2.7 4.0,0.0,0.2 27 4.0,0.0,0.2 27 6.0,0.0,0.0 27 6.0,0.0 27 6.0,0.0	2 811			30 11.	_	5.0 11			63	3.5 6.0	Ç	4.5 6	5 43	3,5	d	40
97 6.5 2.0 81 4.0 8.0 60 4.0 6.0 5.2 4.0 6.5 4.0 6.5 4.0 6.5 4.0 6.5 4.0 6.5 4.0 6.5 4.0 6.5 4.0 6.5 6.0 8.0 8.7 6.0 8.7 6.0 8.0 8.5 5.0 8.7 6.0 8.7 6.0 8.7 6.0 8.7 6.0 8.7 6.0 8.7 6.0 8.7 6.5 6.0 8.7 6.0 8.7 6.5 6.0 8.7 6.0 8.7 6.5 6.0 8.7 6.0 8.7 6.5 6.0 8.7 6	9.0 16.0 100	100	9	0/0.		5.0 //	0,0 83	5:0 9.5	63	2.5	5-6	3,5 6	0 47	4.0	8.0	3,0
97 6.013.0 84 6.0 11.0 60 3.0 75 55 6.0 9.0 45 10.0 12.0 27 95 75 5.0 15 10.0 12.0 27	811 0:50 0.6	811		7.0 /2		6,5 /	2.0 81	40 8.0	09	4.0 6.0		4.06	5 42		7	3,0
5.0 11.5 81 6.0 11.0 62 2.5 5.0 54 4.0 70 48 6.5 10.0 2	115			7.0 15		6.013		6.0 11.0		2.0 7.5		6.0 9	0 45	10.0	7	4.5
	611	611			95-	5.0	18 -51	0.11 0.9	79	2.5 5.6	54	40 %	0. 48	6,5	10.0 27	

11.0

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13 USCOMM.NES.-BL

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Σ	IONTH	MONTH-HOUR	VALUES	ES OF	RADIO	NOISE		Station USNS Eltanin	Eltani	1	at. 60-70	S Long. 67	.5-82.51	Lat. <u>60-70S</u> Long. <u>67.5-82</u> .5WMonth October	Octobe		19 61
(TS.								Frequency ((Mc)								
الر (٦		013		. 051		091		495		5		5		10		20	
noH	Fam Du	DZ Vam Lam	Fam Du	Dr Vam Lam Fam Du		Dr Vdm Ldm Fam	Fam Du	DZ Vam Lam Fam	Du	De Vam Lam Fam	Du	De Vam Lam Fam	Fart Du	Dr Vam Lam Fam		₹a na	DA Vam Lam
8	146	9.0 /3.5	811	5.5 10.0	93	40 7.0	29	5.0 11.0 57		4.0 5.5	53	5.0 6.5	43	4.0 5.5	- 29		6.0 6.0
0	146	9.0 135	811	5.5 9.5	68	4.0 9.0	77	6.0 10.5 53		4.0 6.0	15	45 6.5	42	4.0 5.0	127		1.5 2.0
8	02 146	8.5 13.5 115	115	5.5 10.01 84	84	40 7.5 77	77	35-6,5 53		4.5 6.0	Ç	4.0 6.0 39	39	4.5-5.5 27	127		3.5 4.0
03	03 148	8.5 /3.0	1/3	8.5 12.0	73	6.0/0.0	72	1.5 6.5 51		4,5 6.5	5-1	5.0 7.0	39	5,5 7.0	27		3.0 4.5
04	04 146	9.5/5.0	1/3	3.5 //.5	99		69	720.0 29.0 47	2	5.0 6.0	46	5.0 7.0	39	4.0 6.0	27		3.0 4.0
02	05 /4y	6.0 13.5 103	103		65-		5.0	8.0 16.0 41			48		37	4.0 5.0	38		1.0 0.0
90	hh/ 90	7.5 15.0	103	6.0 150	99	3.0 /0.0	64	35 85 34		5.0 6.5	36	6.0 8.0	33	0,4 7.60	26		1.5 3.0
02	145	6.0/2.5	001	4.5 9.0	67	3.0 11.0 64	49	3,5 7.5 36			38	5.0 8.0	33	3.5 4.5	127		2.0 3.0
8	145	9.0 /3.0 105	705	8.0 /3.5	65	8.5 14.0	63	8.0 12.5 36		3.0 4.0 32	32	6.0 8.0	3,	2.5 6.0 27	27		
60	144	9.0 14.0	101	8.5 /3.5	67	6.0 11.0	10	3.0 7.0 37		4.5 5.0	32	7.0 9.5	29	2.0 3.0	47		7.5 3.5
0	10/46	10.0 15.0	103	6.0 10.5	67	6.5 11.0	65	2.0 5.0 34		3.0 5.5	33	4.5 8.0	29	1.5 4.0	7		2.00.6
=	147	7.0 12.0	901	6.0 11.0	65	6.0 10.0	09	2.5 5.0 39		3.0 7.0	33	3,5 2,5	29	2.5 0.6	- 27		2.6 -2.1
12	12 146	6.5 11.0 107	107	5.5 10.0 65	65	7.0 9.5	63	3.5 30,0 38		2.0 3.5 34	34	4.0 7.0	29	2.0 3.0	27		2.0 3.0
<u>-</u>	147	6.0 10.0	901	6.0 /0.0	.65		62	3.5 7.0 38		40.5.0	37	6,0 8.0	3,	2.0 4.5	7 27		2.0 4.0
4	841	5.5 10.0	401	5.0 9.0	67	2.5 5.5	63	1.5 5.0 40		3.5 6.0	38	4.0 6.0	31	1.0 02.5	7		40 4.0
15	15 /46	6.0 11.0	66	6.0 10.0	22	11.0 15.5	55	2.0 5.0 43		3,5 3.0	39	3.0 4.5	35	3.0 5.0 28	28		30 3.5
9_	9/1/ 91	6.5/1.0	86	8.5 16.0	65	4.0 7.5	19	2.0 6.0 46		3.0 6.0	4	7.5 3.5	39	3.5-2.5	29		3,0 3,5
17	142	8.5 /3.5	105	7.5 14.5	21	45 7.5	63	3.0 6.5 48		2.0 4.5	3	3,5 5.0	14	3,5 5:0	27		2.0 3.0
8	147	8,0 /3.0	601	6.0 11.0	77	3.5 6.5	69	3,0 6.0 50		2.5 4.5 49	49	4.0 6.0	43	3.5 5.0 27	27		d.0 3.5
<u>6</u>	14/1 61	9.0 15.0	1//2	6.0 10.5	79	4.0 7.0	77	Q.56.0 SD		3.5 7.0	50	0,5 75,0	14	40 6.0	39		2.0 3.0
8	20 /44	7.0 12.0	///	6.0 10.0	80	40 7.5	78	35 20 5-8		3,5 5,5	50	5.5 9.5	45	5.0 7.0	29		3.5 5.0
12	24/ 12	9.0 14.0	1/3	6.0 9.5	86	12.0 18.0	18	3.5 7.0 57		4.0 6.0	24	7.0 11.0	43	5.0 7.5	60		3.5 45
22	22 142	8.5 /3.0 115	1/157	7.5 12.0 86	200	40 7.5	28	3.0 7.0 57		4.5 6.5 54	54	4.0 5.5 43	43	4.0 5.5 27	127		3,0 3.0
(23	23 144	19.0 14.5	8//	5.5 9.0 89	68	3.5 7.0	80	3.0 65		3.5 5.0 5.5	45	5.0 7.0	42	5.0 2.0	90		2.5 3.0

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 f_{om} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

19.62
Lat. 30-405 Long. 67.5-82.5WMonth November
USNS Eltanin
Station
OF RADIO NOISE
)ES
VALUES
MONTH-HOUR

		Vdm																								
	20	7 0																								
		Da												ļ												
		De Vam Lam Fam	30	29	29	27	29	29	27	29	3,	76	27	25,	27	31	35	34	3/	33	30	33	34	30	7	28
		Ldm																								
		Vdm																								
	10	7 _Q																								
		Du																								
		Dr Vam Lam Fam	54	7	رَى	90	5,5	60	200	46	100	40	47	38	7	46	3	84	45	Ç	57	57	57	57	5.6	23
		Ldm																								
		Vd.m																								
	5	70		_																						
		D																								
		Fam	53	ζ	53	5-9	53	57	43	1/1	3,	33	29	35	29	33	39	40	5	47	79	4	63	59	49	pp
		De Vem Lem Fam																								
	L	Vdm																								
	2,5	Za																								
(Mc)		Du																								
		Fam*	71	65	65	65,	19	2	43	37	47	14	45	45	45	47	17	47	57	53	57	74	77	79	79	1/
Frequency		De Vam Lam Fam		5.0 165 65	50 185 65	٥٠// کټې		11.0	7.5	5:0	7,5		2.0 2.0 45	6.0 45	2,5 6,0 45	3.0		4,5 11,5 47	3.0 7.0 57	95	8.5		0%	25	7.5 10.5	
due		√dm √dm		5.0	5.0	رې		810	12	0.5 5.6	3.0		0.0	3.0	کۍ	2.5		4,5	3.0	2.5 9.5	4.5 8.5		5.0 8.0	5:0 75	15.5	
Fre	495	70																								
		۵		~																						
		Fam*	2	83	83	18	67	63	67	72	28	67	59	65	74	66	71	71	75-	73	9,	95-	66	99	66	93
		*up-	15.0	13.5	0.//	15.0	12.5	35	5.0	5.0				25 19.5- 65	18.5	14.0	14.0	/3.5		0.0/	8.0	7.0	7.0	0.0/	Ó,	0.0
		De Vam Lam Fam	6.0 15.0 92	5.5 /3.5	رج //١٥	8.0 15.0	5.6/ 2.2	1.5	D. D 5.0	0.0				125	10.0/8.5	7.0 14.0	6.0 14.0	5.0 13.5		4.0 10.0	4.5	3,5 7.0	8.0	4.5	5.0 12.0	5.5 4.0 93
	160	70								j														7	٠,	
		Du																								
		Fam	tol	96	96	101	87	16	89	89	95-	16	84	88	93	95-	101	96	96	103	00/	111	41/	114	//3	105
		¥Ε Ε			14.0			7.5	==	30.0			20.5	17.0	9.0		/3.0	56	3.0		0.//	0.0		=	6.5 10.5 113	6.5-10.5 105
		De Vam Lam	7.0 15.5	8.0 15.0	6.0			6.0 17.5	5.0 13.0	10.0 20.0			72.5 20.51	10.0 17.0	9.0 19.0		6.0	7.0 125	7,0 13.0		1 5.9	5.5 10.0	45-9.0	5.0 9.0	6.51	15.6
	051	70	,					_									9	,			9		7	- J		-3
		D _u																								
			752	77	128	34	8 //	81.	90	911	901	917	91	77	98/	129	/3/	(22	126	132	132	136	138	136	138	123
		Dr Vdm Ldm Fam	13.0 19.0 125	9.0	13.0 19.0 128	12.0 19.0 126	15.5	811 2.16 2.Kl	8.0 19.5 106		=		11.0 17.0 116	7.0 /		_	13.0		2.5		3.0 /	0			10.0 17.5 138	
		*#B	3.0	10.0 19.0	3.0 /	100	2.cc 0.0	2,5,0	6.0	8.0 19.0	10.0 18.5	7.5/8.5	1.0/	10.5 17.0		5.61 5.9	7.5- 13	7.0 12.0	7.0 13.5	9.0 13.5	7.5 13.0	4.5 2.0	7.0 12.0	7.0 130	100	
	67	70		7/	1,	1/0	-0	10	36	30	1	,		~		9	7)	1	8	,	7	'	7	_	
	013	_ _ _																								
		Fam*	150	146	0	81	. 00	25/	18	146	8	84	8	154	h-5/	7-51	15.9	75/	15-6	156	9-1	رکر	150	/53	(53	84
(TS	١ (٦)	noH	? 00	10	02 150	03 46	04 148	05 //3	8/1/90	7/ 20	80 148	841 60	841 01	7	12 /5	13 1/5	14 1/5	15 /3	16 /5	17 //5	18 15-6	چر/ el	20 /3	21 /3	22 /3	23 148
			0	0			O	O	O	O	U	U											N	N	N	7

 $F_{\rm gm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

RN-13

USCOMMUNES.FL

USCOMM-NES-BL

Fig. Color	(TS.				F								Frequency	suck	(Mc)														
Co Di Vieth-bank End Do eth-bank End Di Vieth-bank End Di V	د (٦		. 013			O.	51			160			. 495	-		2,5				rC			10				20		
		Im Du	70	Vath T	*E	_	De Var	*5	Fam Du	PA Za	* La*		=	Lat F	_	_	*mp/	T Fair	_), V	T Lan			Vd# 1	## ##		_	*E	تــا
	00 /55	1			7	ಭ	511	20.0		8.	0 /7.0	_	5:5	==	75-		40 5.			7	5 6.5	7.5			6.0	36			
120 120	\Rightarrow	0				2	5.9	0.0		S	2.01 0		7.5		78-			62		4,	5 7.0					773		9.5	2
	20/5	ζ.		12.5/19		τ,	10.0	19.0	1111	5,5	- 11.0	97	15.5	11.0 7	4		_			7	5 8.0					3,1		15.	-3
1/2 1/3		ď		/3.0 //		26	/3.>	· 2/.0		4.5	2.8	- 77			73		6.0 9.	2		5	5.8			3.5	5,0	<u>ي</u>		145	.0
10 12 1/3 1/3 1/4		ŭ		10.5 13		2	S'//	0.81		8	0 130		8,5	=	50		13.0 18.	=				1,2		10.5		33			_
10 12 13 14 15 14 15 15 14 15 15	5 14	8		9.0 /	4.0 //	8/	6.0	5.01		0.	5 17.0	69			5.7					7.					15,6	75		3.0	W
90 1550 1434 15 150 140 17 140 17 150	6 14	81		11.0 17		13	9.0	16.0		7.5	140	19	2.5	7,5	55			42		<u>, </u>		84			. 6	0			_
\$6 52 19 19 19 19 19 19 19 1		18		9.0 1		77	. 7.5	13.5		7.	0 14:0	_	4.0	8.0	37		_	=		9	0			2.5	_	2		3.5	2.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	8 /4	8+		9,0/3	3.5//	9	3,0		_	1//3	28/	63			2			32				44		6.5	==	30		3,0	7.
100 35 120 140 140 140 150 150 140 150		0		8.5 /	3.0 //	6	8.0	/3.0		%	0 / 3.0	77		_	3			3				4			_	74			
10 150 115		ರ		10.0/		20	0.01	_		0.	5/8.5			منۍ	15-			=				40			٥	7:			
40 150 144 7.5 2.5 77 11.0 145 73 40 70 57 3.5 5.5 34 40 3.0 5.0 34 3.0	14	18		8.0 /		15			87	.0/	5 18.0	99	3,0	6.0 4	44			35				36				2			
6.5 1/2 20 20 62 1/2 20 62 1/2 60 1/2 1/2 20 20 62 1/2 1/2 20 20 62 1/2 1/2 20 20 1/2 1/2 20 20 1/2 1/2 20 20 1/2 1/2 20 20 1/2 1/2 20 20 1/2 1/2 1/2 20 20 1/2	5/ 15	0_		9.0 1		7	7,5			11.1	0 19.5		940	7.0	1			=				36		3,0		87			
6.5 1/2 20 20 62 90 67 1/2 90 950 45 940 54 30 94 30 955		0		8.51		29	2.5		_	15.	21.5		6.5	0.//	14		2,5	_				40		3.0	40.5	2		2.5	
121		00		6.5/10		7	2.0		-	0.	0.00	62	19.0	25.0 4	15-		4.0 6.			~		==		_	ني کېږ	0		3.0	
15 15 18 6.0 1.0 84 10.0 150 44 45 80 45 30 50 44 35 55 49 30 50 52 32 48 40 55 52 52 52 52 52 52 5		4			~	7			78	اخ/	5 170	100	3,5	=	61			46				46		5%	0.9	ζ.		3,5	
80 30 114 75 120 85 95 145 66 3.0 70 57 15 30 48 40 6.0 59 35 50 54 40 6.0 59 33 30 30 18 18 18 18 18 18 18 18 18 18 18 18 18		81		7.5 /1	1.5	00	6.0			10'	0.5/ 0	49	4,5	=	15			==		Ŋ	15	=		30	=	ر و		2.5	
	7 14	9		8.0	3.0 /	14	2.5	13.0	85-	9.5	5/1/5	99			15		1,5 3.					84		4.0		Ç		4.0	
100 163 120		1.		8,5 /		20	9.0		95	9	0 /00	80	3.0	_	63			_		7	0.0	=		3.0 1		8		3.0	
1/10 170 124 9.5 1/1.5 1/13 7.5 1/15 93 5.5 1/10 77 3.5 5.0 61 4/0 70 5.0 5.3 1/10 0.3 3.5 5.0 61 4/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1		17		10.01	==	20			101	9.6			=		5			_		~	12.0	7.5			<u></u>	_		11.5	
1/20/170 129 6.0 1/20 120 6.0 1/20 93 6.0 1/20 79 3.0 5.0 6.2 3.5 5.5 5.4 4.5 7.5 3.6 1/20 3.6 1/20 1/20 1/20 95 5.5 1/20 77 3.0 4/20 6.3 3.0 5.0 5.2 5.0 3.6 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20	\rightarrow	0		19.5/	9,5%	36	9.5	16.5	_	7.5	2/4/5	93	5.5		17		3.5 5			4	0.6 0.	\equiv		4.0 4		5		4.5	
125 20 51 6.0 11.0 115 120 16.0 16.0 16.0 16.0 16.0 16.0 16.0 16.	7	20		11011		29			501	%	0.9/	93	8.0		29		3.0 5	9	~	ر,	2.5	=		45 7		67		2,5	_
135 2005 130 6.5 155 103 5.5 10.0 99 77 2.5 25 64 4.5 7.0	2 15	7		12.0 /		27	6.0		_	10.	0 /6.0	95	کزی	_	77		3.0 4	9	20	ν)	0.50			5.0					_
	3/5	त		1350	1 2.00	30	8.5	2:5/	1/03	4	0.01	66			77		2.5	5-164		3	0.9	57		12.7		8			

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Lat. 40-505 Long. 67.5-82.5 W Month November 19 62

Station USNS Eltanin

MONTH-HOUR VALUES OF RADIO NOISE

Fam " median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper declie to median in db D $_{z}$ = ratio of median to lower declie in db $V_{dm}{}^{z}$ median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

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Station USNS Eltanin

MONTH-HOUR VALUES OF RADIO NOISE

62

	5 10 20	Vdm Ldm Fam Du	5.0 4.0 49 4.0 5.0 34	3.0 4.5 48 3.5 5.0 27		3.5 5.5 46 5.0 7.0 2.9	7.0 10.0 49 3.0 4.5 29	42 35 40 28 2.0 3.0	4.0 8.0 44 4.5 7.0 27	7.0 9.0 36 4.0 6.0 25 2.0 3.0	36 2.5 3.5	4.5 70 32 40 5.5 27 03.0 3.0	5.5 6.5 36 3.0 4.0 2.7 2.0 3.0	6,0 8.0 36 5-0 7.0 27 4.5 3.5		35 30 40	3.5 6.5 38 3.5 3.5 3.5	4,5 5:0 39 3.0 4.0 29	4.0 6.0 45 35-5.0 29 3.0 40	3.5 50 47 3.0 5.0 29 40 6.5	3.5.5. 47 406.0 31 3.04.0	4,0 6.0 48 4.5-7.0 30 3.0 4.5	4.5 7.0 49 4.0 7.0 35	4.0 7.0 51 4.0 6.0 29 4.0 8.0	5.0 8.5 47 4.5 8.0 29 4.0 5.5	
Frequency (Mc)	C.	De vam Lam Fam Du De vam Lam Fam Du	8.0 13.5-64 4.0 6.0 5-5-	6.0 11.0 65 3.0 5.5- 5-8	4,0 11.0 6/	1-2 0.7 -2.8	52 2,0 0,1,0 53	7.0 47	6.0 37	4.07.5 34 7.0 9.0 25	1,5 4,5 34 8.5 11,5 27	5.0 7.5 35 5.0 8.5 30	5.0 8.0 41 3.0 6.5 31	3.5 70 41 40 6.5 27	2.0 5.50 27 2.50 25	3.0 20 37 5:0 8:0 29	40 7.0 43 4.5 7.5 35	5 8.0 37 4.0 6.0 33	0 8.0 39 40 6.0 34	5.0 7.5 47 4.5 7.0 40	5-7 4.0 6.0 5-1	PS -2:5 0 44 0 5:5- 55	07.0 61 4.0 6.0 59	6,010.0 65 4.5 6.0 54	5.0 11.5 63 5.5 8.5 55	
Frequ	160	Du Dz Vam Lam Fam Du	7.0 14.0 79	7.0 13.0 83	77		1.05 17.5-159	2.5	14.0 16.5 56 4,0	14.0 16.0 61	8.5 2/10 62	13.5 170 61 5.0	6.0 16.0 65	10.5 15:0 63 3.5	11,5 16.0 65	10,5 15.5 65 3.4		10.0 12.0 59 6.5	9.5 12.0 63 8.0	13.0 16.0 61 5.0	8,0 15.5 61	2.5 11.0 76 7.0	6.0 10.0 77 4.0	7,0 13.0 79 6.		
	051	Du De Vam Lam Fam	119 8.0 12:5 93	120 0.00 0.00/		0.9	107		97 73	98 9.0 14.0 79	100 001 009 001	106 40 9.0 78	108	112 6.0 10.0 27	112	115	(12 6.0 10.5 77	106 6.0 11.0 76	107 3.0 8.0 76	106 3.5 90 77	106 4.010.0 75	112 3.0 9.0 83	116 7.0 12.0 91	117 7.5 11.5 90	(22)	
(TS	(1)	Fam Du De Vam Lam Fam	00/ 0.0/ 6.0	h//10	02 148 12.0/8.5/1/8	03/47 8.018.0	04 139 4.0 16.0	05 136 10.0 15.5	06/142 9.0/14.0	07 144 7.0 2.0	08 144 8,0 130 100	09 146 7.0 12.0 106	801 0110 5:0 11.0 108	11 148 7.5 12.5	12 148 6.0 11.0 11.2	13 /sz 4.0 /hs	L1/ 0.11 0.0 11.0 11	15 148 6.5/11.0 106	16 146 5.0 13.0	17 145 9,5 15:5 106	18/46 10.0 18.0 10 6	51/ 01/01/ EH/ 61	20 146 8.0 130 116	21 146 11.5/16.5/117	22 146	

Fam = median value of effective antenna noise in db above ktb

 D_{u} = rotio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

USCORRENGS-BL

1			F				-		Composition	(2141)	,	-			ŀ			=		
	0	013		.051		.160		. 495	5		2,5			r.			10			20
Famk	D _u C	DX Vdm Ldm	Fam	Du De Vam Lam	Fam	Du Dr Vdm Ldm	-dm Fam	۵	DE Vam Lam Fam	Fam Du		D2 V4m L4m Fam	Fam Du	De Van	De Vam Lam Fam	om Du	Dr Vam	De Vam Lam Fam	Du	D& Vam Ldi
138			77		6.8		133			77	~	2.5 3.0	64		- 7	ζ	4.0	4.0 5.5	31	4.5 6.
140			115		90		76			64	2.		5.5			15	4.5	4.5 2.0	27	2,5 3:
138			117		96		73	2		79	ζ,	5.0 7.0	64	5.0	8.0	50		0	29	5.0 6.
88/ 80			0//		48		5-6			67	4	4.0 8.5 61	19	2.0	8.5	42	0'/	4.0	29	1.5 3.
7/1/			107		79		67	2		84	10.	10.0 14.0	h5			49			38	
134			96		73		<u>'S</u>	١.		39	~	3.0 8.0				43	1.5	5.0	3/	
hh/ 90			104		22		17			39	٨.	30 20 45	15			14			29	45 2
hh/			0 0/		96		65			35-	₹ -	2.5 4.5				39	0'/	4.0	29	1.0 2.
146			201		83		65	_		33	<u>~</u>	2.5 50							29	1.0 2.
144			00/		69		15-9			35	~š		35	3.6	3.0 7.5	61	0.1	3.0	39	1,5 3
144			101		69					37	/ /	1.0 4.5 35	35	4.5	4.5 6.5	17	2.5	3.5		
144			201		69		55			33										
144			701		69		ς									21	7.0	3,5	~~~	2.0 A
941			h0/		11		67	,		35			35	5.0	7.0	33		- 6	29	1.0 2.
hhi			to/				75-			45	3.0	5.0	33			29				
															,					
																-				
23 146			120		/02		79			67	3	75	E			į,				

Station LISNS Fitanin Lat. 60-705 Long.62.5-82,5WMonth November 1962

MONTH-HOUR VALUES OF RADIO NOISE

 $\Gamma_{\rm cm}$ = median value of effective antenna noise in db above kitb $\Gamma_{\rm cm}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of overage logarithm in db below mean power

USCORBLINES-PL

		mp mp/	2.5	3.0	2.5	3.0	3.0	3,0	2.5	2,0	3.0	ۍ 0	4.0	0,5 2.5	2.5	ر ک	3,5	3.0	3.0	4.5	4.0	3.5	3.0	3.0	0.0	1.0 0.0
		*wp/	1.0	1.57	0./	1.5	7.5	1,5	0./	2,0	1.5	1.0	0.0	0,5	0./	1.0	1.5	7.5	1.0	2.5	8.0	1,5	1.0	1.5	1.0	0.7
	20	70	4	M	h	9	5	'n	4	5	7		4	0	ィ	べ	*	4	7	m	m	m	1	~	4	η
		Du	0	0	0	0	0	0	0	1	m		7	2	7	2	5	~	7	7	7	-	16	4	1	_
		Fam	18	8/	81	81	81	18	20	18	01	18	8/	18	18	10	70	20	n/o	20	20	61	8/	81	18	18
		*E	5.0	1.5	5.0	35-		12.0	0://			_			0.01					9.0	6.0	6.0	2.0	5.5	40	4.0
		4mp	2.5	2.0 4.5	2.50	0.0		7.0 /	9.5						70 16					5.5	3.0 6	356	45	3,5	0.00	1,57
	10	De Vam Lam	7 2	2	7	78	4	8	5	و	7				/		4	و۔	9	6 5	4	<u>س</u>	7	4 3	2	,
		Du	6	0/	4	, ,	×	6		76	7						15	~	0	4	76	٧/	6	2	~	7
		Fom	35_	33 /	33	_	7	39	1 / 4	4,	40	**	な	47	45-	34	54	47	47	47 1	15/	43 1	43	39	41	~
		¥ E	7.5- 3	6.0	6.0 3	9.0 3	0	8.0 3	6.0 4	7	3.0 4	5.0	12.0 4	6.0	5.0 4	8.0 4	19.0	17.0 4	8.0	135 4		7.0 4	6.0 4	6.0	6.0 4	8.0 38
		Vdm Ldm		3.0 6	4.5 6.		0 // 0	40 8.	5-6.		<i>b</i>			3.5 6	2.5	0	8.0 13	9.5- 17	5.0 8.	9.0 13	2.5 5.0	3.0 %	2.5 6	2.56	3.0 6	4.5- 8.
		D 10	3 40	6 3.		6 5.0	4 7.0		M	5	72	6 3.0	7.5	4 3.	78	6.	3 8	5.	رد ارد	6 9						
	7		9	7 7	4 6	7	00	5	7									<i>∞</i>			7	76	7	2	•	9
		n _O m							۵,	2	5	7	8	90	9	0	9		7	2	7	3	~	7	7	4
		r Fam	151	3	ري .	52	50	5	44	. 38	36	32	* 78	77	26	87%	30	36	47	48	-55	32	52	524	57	25
		De Vam Lam	10.0	9.0	9.5	0//				9.5	2.6		- 10.5			0.9	6.0	7.5	5:0 7.5	6.0	5.6/2.5	11.0	15.2	0.2/	9.5	7.0
	5	Vdñ	6.0	5.5	6.0	6.0				6.0	5.5		45			3.5	ري ,د:	9.0	_	5.0	_	2.0	3.0	200	6.0	3.5
	2	J _Q	7	7	~	7	4	7	74	7	4	4		٦	7	শ	7	3-	9	4	را	2	3	را		9
(Mc)		Du	7	7	()	18	51	7	7	10	3	7		4	٦	9	7	7	9	7	7	7	0	2		10
		Fam	19	59	5-5	25	55	57	39	35	3/	29	7,6	3,	3	29	29	3	37	43	15	ণ	55	5.5	45	5
Frequency		Ldm	8,5	3.5	6.0	70.5	* 0.7	\$:0	* 9	\$ 5.0	7.0	*,0	* S.S	7.0	**	1,0	40	ري کز لا	*15	**	¥ 0,	× %	+2.	5.0	6.0	9.0
nbe	5	/dm	4.5	0.9	12.52	15.5	13 13 14	* 60.	4,2,4	+4	47	*4.4	*.x	4%	* /· o	43.	2.0	* \?;	₩. *°	* 2.5	* ~	* °¢	* \ \\`\`\	3.0	12.6	5.0
F	495	7 _Q	2	•	8	1	41	\sim	h	4	7	74	3	r	4	~	ħ	4	7	00	6	9	7	0/	9	5
		۵	4	6	7	10	00	8	7	4	00	11	7	/3	6	9	11	24	16	18	17	16	11	0/	7	00
		Fam	83	83	81	77	69	51	53	53	15	15	C	51	53	54	555	15	55	63	76	79	80	S	8	18
		Ldm	0.0/	*0.	8.5	\$0.0	95.	* 80	7.0	\$.50	6.0	0.9	7.5	6.0	9.5	9.0	0.0/	6.0	7.5	8.0	9.5	0.0/	10.5	¥ 0.9 √.	10.0/	10.0
	0	DZ Vdm Ldm	55	45,	*	*2.	4.0	4.51	%°°°°	**	*%	4.0	5.0	40	7.0	\$.0	75-	13.52	ŝ	4.0	5.0	5.5	5.3	3,	* 5.5.	12.
	.160	70	الع		7	2	∞	*	15	7	7	9	5	00	15	9	9	9	>	7	4	2	7	12		12
		Du	7	4	4	4	h	9	7	9	7	7	9	9	7	9	10	18	14	7	00	7	~	9	9	9
		Fam	101	105	105	101	105	67	25	77	29	28	18	79	28	19	80	77	77	2	89	62	201	401	103	103
	,			13.0	13.0	/30		15.5	15.0	_		0.8		15.0		4,5	ĺ	15.0	4.0	13.5	2.5		5.0 10,5 102		4.5	9.5 145
		DZ Vdm Ldm	25 125	7.0 13.0	20	7.5	9.0 14.0	9.0 15.5	8.0	9.0 12.0	1.0.1	10.0 18.0	0.5/	8.0 15.0	9.0 16.0	8.0 14.5	9.0 14.5	9.5 15.0	8.5 14.0	7.5 12.5	2.0 125	6.0 11.0	0.0	6.0 11.0	8.0	15.7
	051	De	4	00	8	6	و	7	7	13	0.9/ 0.1/ 41	34	12 10.5 18.0	4	S	7	7	7	~	7	4	7	7	0/	7 8.0 14.5	00
	0.	Du	9	15	Ŋ	7	9	7	9	_		10	14	15/	15	01		14		9/	_		0			7
		Fam	401	735	125	970	124	118	911	81 711	11 711	9//		117	11)	9//	911	31,	18/	118	511	10	01 /10	127 10	77	70
		T E	1.S.	15.2			0,	0:	15.5	٥		.5.	7,5-	0.9	5	40	0.8	0.	0	7	0	0./		11.5	,0,	0.
		Vdm Ldm	1/2	8.0 13.5 125	8.0 13.5	8.5 14.5	8.0 14.0	9.0 15.0	9.5 /3	5 16	10.0 16.5	10.0/6.5	11.0 17.5	9.5 16.0 117	8.5 145 117 15	8.0 14.0 116 10	70 120 116 16	7.0 11.0 118 14	6.5 11.0 118 14	6.5 11.5	6.5 11.0 119 15	K1 161 011 0.3	6.0 10.5	6.5	6.0 11.0 126 6	6.5 11.0 126
		7	2 6.5 11.5	1	28	7	1	3 9	2	2 9.5 16.0	<u>و</u> ٧	1 4		6 9	4 8	4 8.	2 2	7	7	0	9 0	7	4	4	3	7
	. 013	D _u	7	8	7	4	4	7	4	7	3		5 5	7	7 5	4 4	===	2	4	7	+	7	76	へ	, 16	7
		Fam D	15/	: hs/	154 4	154 4	154 u	154 "	4 451	150 4	150 4	150 4	150 3	150	150 3	152 4	152	15.2	152 0	1 951	150 4	4 521	154 ò	6 hs/	6 HS1	H51
(15	7) 1	noH r₂	00	01 //5	02	03 //5	04 //5	05 //5	06 //5	07 /3	08	60	10	\equiv	12 /3	13 /5	14 1,5	15 /5	16 1/3	17 1/5	18 //	د/ 61	20 /3	_	22 /3	23 /5
(13	17		Ó	0	0	0	0	0	0	0	0	0	-	Ξ	_				=				N	2	0	N

Station Enkoping, Sweden Lat, 59.5N Long, 17.3E Month September 19 62.

MONTH-HOUR VALUES OF RADIO NOISE

 $F_{\rm am}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal A}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

W W	I Z	+	MONTH-HOUR VALUES OF RADI	0	MAL	J.	S	P	2		0	NOISE	SE		Sto	noitr	Ä	nkor	Station Enkoping, Sweden	Swe	den		Lat. 5	59.51	5N Long.		72	3臣	Z	Month		October	ᆲ	29 61	79
TS.				=					-				F		_	red	Frequency		(MC)			Ī					-				-				
ال (1		. 013				. 051	51				160				4	495				2.5					2			}	10			ŀ	7	20	-
Hou	n Du		DX Vdm Ldm	dm Fo	Fam Du		Ndn	n Ldn	De Vom Lam Fam Du	Da .		DZ Vdm Ldm	Ldm	Fam	o no	PA JC	De Vem Lem	m Fam	m Du	_	De Vom Ldm	Ldm	Fam	Du) Z (Vdm Ldm	m Fam	m Du		De Vam Lam		Fam C	D _u D	P/ J/d	Vdm Ldm
00 /52	1 2	~	8.5- 15.0 123	5.0 1		4 9		2.41 0.6	00/	~	7	\$.0	9.0		8	* >	1.5 3.0	58	00	4	* 4.0	÷ 0	35	4	7	4.0 8.5	34	7	7	2.5	4's_	81		3 1.0	6
15/ 10	79	3	9.5	16.0 125		4		9.0 15.5	- 102	9	9	4.0	4.5.	85	1	ره م	2.0 4.0	5-6	6 .	~	4.0	8.0	52	5-	7	4.0 8.0	34	0	7	م.م	4.5	1	7	4 1.0	3.0
02 /5%	2	~	2 10.0 16.5 125	1/2		4 6	_	9.0 16.0	701	7	9	5.5 10.5		87 (2	* .	1.5 3.5	200	7	7	6.0	11.5	Ľ,	2	7	4.0 9.0	34	6	2	2, ت	4.0	17	7	0./	3.0
03 156	8	۲	10.01	10.0 17.0 125		9 4	=	9.0 15.5	100	2	5	4 0	\$.0 \$.0	85- 8	00	*:	* ~ ~	25	7	7	5.5	10.5	G	7	7	4.5 8.5	ري ري	0	٧	s,	4.0	17	4	0 /	3.0
04 156	٧ %		2/10/80/125	8.0 12	2 2	9 7		10017.0	001	7	9	5.0	9.5	166	9 01	*~	* \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	5 58	2	0/	5.0	5.0 10.0	6	9	7	4.5 8.5	30	7	×	D. 6	4.5-	17	7		0 0.5
05 156	79	3	11.0 18.0 123	8.0 12	3	9		11.0 18.0	96	00	9	4.0	9.0	60	5	5 5	5.0 8.0	45 c	114	00	45.5	4.5.	52	7	3 4	45 9.0	36	00	7			170	ر ا	7.5	3.0
h51 90			2 10.5 17.0 117	7.0 11	7 4	7		100 17.0	88	7	9	4.0	=	51	h 8		x * x 3.0 4.0	3	1	00	8.0	14.0	ری	~	6	5.0 8.5	9- 40	7	5			7	7	3.0	3.5
CS/ 70			2//00/120/15	70 11		٦,		10.0 16.0	83	4	6	6.0	9.0	1.5	4 9	1 30	\$ 0	36	11	4	7.5	13.5	40	7	<u>ئ</u>	0.0	47	7	e	* 6.5_	10.0/	17	3	5./	35
CS/ 80	ત		4 11.0 18.0 115	11 0.9	4 5		10.0	6 10.0 18.0 80	80	7	00	*.	4.5.	1 64	6 01	**	S. 4.5,	32	10	7	, , ,	7.0	34	4	* 7	* 6.0 10.0	0. 42	2	7			61	6 2	۵.۵	4.0
ردير (90	ત		211 361 0.61 4	95 11	4		8	9.5-17.0	*			5.0	* 5.8	15	7	4 * 25	2,0	0 34	4 /	00		* 6.0	てか	4	1 8	4.5	5 40	8	7			19	4 3	* 4	3.0
10 /52	~		11.0/8.5/13	11 5.3	رع (۲	7		5 / 8.0	10.5/8.0 74	/3	7	× 5.	4.0	53	9	· *	12 12 12	5- 30	0	4	4×,	× 2.	27	9	6 3	3.0 5.5	38	Se Se	4			19	7	1.0	3.0
1 150	7 0-	7	11.0 170	70 11	لا كال	2	تنتت	4.5- 17.0	27	- 16	7	* %	5.0	1 64	6	*-	1,5 3,5	5 30	9 0	4	*5	7.0	44	7	4 4	3.0 6.0	42 2	. 2		*8.5 11.5		*a		*.	* 5
12 15-0	P 0		0 10.0 16.5	11 5.0	1/5/1	7		10.0 17.5	- 80	8	0	**	* 00	15	2	*8	* o.x.	3	7	7	* 5.5	6.0	ナカ		*3	\$ 0.0	0 43	9	را			90	ω,	* ~	· * *
45/ EI	٦ 1	ベ	9.0 14.5	11 5.4	115 3	00		10.5 17.0	177	0/ 6	7	4.5.	8,5-	, E.Z.	3	3 \$ 0	0.7.0	33	7	72	* ^5	* 5:5	7	10	*2	* 0.	0 47	3	7	2.05.5	اري اي	3	~	* %	* 62
(2/ 41	ار	~	7.013	7.0 12.5/115	٦ ٦	9		10.0 16.0	28	00	9	*~	* 6	55	5	4 2.0	0 35	3	-	2	+2; 0	6.0	26	7	7	45 7.0	0 48	9	9	+5	*/	7 16	در	3,4	2.5 4.5
15/52	ん	~	8.0 13.0	3.0 //	4 -511	7		10.5 17.0	80	و	00	*~	* 5.5	115	C 0/	2.0	045	34	1 7	2	*0.	ر ان ان	34	00	ر ح	3.0 5.5	5.0	0	~	*v.	ري اري * لخ	7 18	2	9.0	0%
16 150	20	`	7.5-13.0		115 6	-9		11.017.5	- 84	2	00	w #	3.0	165	18/	6 7.0	S, *		و۔	7	* '\$	×0.	5	9	₹ ~	2.5 4.5	3/ 18	15	9	¢ vo	* /0.5	61	200	~ ~	4.0
17 152	-	7	8.0 /	8.0 13.0 715	5- 7	7		8.5 140	68 0	5	-	*~;	7.0	151	14 6	2,0	**	8 4 0	-9	~6	1,5,	* \\disp	05	9	3	3.0 6.5	4	9	6	47	¢.0	19	7	2.0	0 %
18 154	0	4	7.5 13.0	3.0 //	19 5	5	00	8.0 14.0	96 0	7	7	よう	7.0	77 1	12 10	0 0.5	5 4.0	54	9 1	9	*15	*	رکر	7	4 3	3,5 6.5	44	7	7	4.0	6.5	19	6 4	1.0	3.0
19 154	4.	٦	75%	13.0 %	121 6	9		8.0 135	196	0	10	4.5	9.0	161	1 7/	10 %0	12,0	25	0	9	*2 N	40.0	d	12	4 3.	15.6.5	44	14	9	3.0	× '2'	61	7	1.0	0.50
20 154	7 4	4	7.0 120	2.0 /	3/17/	7		2012.5	197	00	7	3.0	9.0	89	9 10	14 3.0	12.50	156	1/ 9	7	× 5.	4	S	<u>ا</u>	6 3	1.0 7.0	38	9	7	3.5	7.0	19	7	1 1.0	3.0
21 15y	h h	~	7,5 12,5	2.57	123	9	-	2 14.5	50 145 102	5	7	13.	*00	89	9	12 4.0	\$\fo	278	8	9	\$0°.0	10:5	50	9	7	3.0 6.5	36	0	7	2.0	4.0	61	7 0	1.0	2.5
22 15-5-	7	~	7.57	7.5 13.0 123	23 6	1		8.5 15.5	201	~	2	4.0	4.08.5	63	1	10/	* 2.	50	7 6	2	4.0		G	~	7	4075	34	5	^	2.0	4.0	61	0	y 1.0	3.0
25 52	0 2	~	8.0 14.0 123	1011	23 7	2 6		15.6	9.0 15.0 100	2 7	7	40	9.5	68	7/9	48	12.	0 56	6 7	12	*	*00	S	7	7.	10 7.5	5 34	-	7	3.0	5.0	170	7	7 1.0	3.5
F	= med	lan va	Fam = median value of effective antenna noise in db above ktb	offectiv	re ant	anna n	oise i	db n	ароле	ktb																									

 D_{μ} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

US COMM. HES- BL

J. 17.3E
L Long.
59.5N
Ę.
Sweden
Enkoping,
Station
NOISE
RADIO
P
_UES
7
S VAL
ITH-HOUR VAL

Month November 19 62

		E	ادا	6	0	5	2	0	١,٨.	3.0	3.5	١^	0	* 0	0	٥	17	4.0	2.5	3.0	3.5	3.0	(۸	0	0	3.0
		Vdm Ldm	1.0 2.5	0.0	0 3.0	0 2.5	0 3.0	5 3.0	0 2.5	0 3.	5,	× 3;	0.40	0	5 4.0	15.	2.5 4.5	0	8	<i>o</i>	0 3.	0	2.5	0 3.0	0 0.0	
		D/ J/d		٥٠/ ح	٦ /	γ	7		′).	≯ √6	ري. ري	*1	7.5	٨/	~	8	~	~	<u>`</u>	7	~	~ /	~	2 1.0
	20		γ					~	~	<i>√</i> 3	4	7		76	-				7			,,		-		
		D _U	2 81	2	2	8	2	8	0	w 0	7	7	ω, /~	5	4	ナ	~	9	100	0	0	P	8	₩ M	4	1
		n Fam							٦	8	7	46	4	he	17	7	77	1	4	3	76	3			_	
		n Ldm	4,0	4.0	- 15.0	4.0	0 3.0	* ~		*0.			1.50					0 8.0		40	3.0	5.0	3,5	3,5	5 35	4.0
		e Vam	7.5	0.0	2.5	1.5	7	*~		¢.↓			12					4.0		*2.	*62	3.0	2.0	1.5		/.5/
	10	DA	٧	*	4	7	٥	7	7	7	h	2	<u>ا</u>	00	9	イ	۰	7	9	7	-	~	1	~	ィ	4
		n Ou	7	7	7	7	0/0	7	0	01-	7	00	5	٠,0	۰	•	۰۷	7	7	~	0 7	- 9	۲	76	7	2
		Fam	2	34	34	3	ო	34	38	7	7	4	7	94	4 4	44	84	149	44	42	4	35	\$	*	Š	32
		mp u	8.5	7.5	10.0	¥0.	9.5	*0.	8 × 0	* 00	6.0	5.0	10	* c	- C.S.	<u>د</u> پ	75	6.5,	3.0	* 0	6.5	6.0	7.5	18.5	8.0	8.0
		Mp/	5,0	7.7	* 0.0	*12		* 12	* 50	40	* × ×	**	* 2; 0	£'s		* ~;	3.5	*3.	40	¥°6.	35	12.5	4.0	3.	4.0	5.5
	5	2	3	2	7	4	12	0	7	જ	11	~	0	90	90	5	00	7	4	る	প	7	2	8	7	3
		ם ני	Υ	60	7	m	7	+	7	د	5	00	0	1	7	00	4	3	6	4	4	12	4	9	7	2
		Fam	51	5	15	5	49	49	49	47	45	37	29	5	29	29	35	41	47	47	49	49	49	64	5	12
		*FP_	0,0	کنې	10.5	12.57	15.	7.5	7.5	5.//	11.0	8.0	80	5,5	10.0	20	5:0	6.5	2.6		14.0	%	75	2.0	6.0	20
	2	*EPA	3.0	ج. ا	5:5	6.5	8.5	3,5	4.6	6.0	9.0	5.0	5.0	ري ري	7.5	3.5	1.5.	3.0	ه زي		8.0	3.5	4.0	45	3.5	4.0
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(Mc)		Du	7	200	19	9	2	00	8		41	7	9	ત	00	9	6	8	13		8		00	-2	0/	10
		Fam	57	75	55	5.5	57	5	7	*15	43	39	35	37	35,	37	36	4.	47	*,5	5.5	ST	55	555	25	2
Frequency		Ldm	* 0:11	7.0	4.5	* ~	* 2.	× 60.	45	3.5	+ %	\$00	××.	0.4	*M	*,5,	×Μ	* ₩	**	3.0	4.5	4.0	¥0.	15.	*02	6.4
b	2	V _{dm}	+ 0	* 3	2.5	* O .	*/s/	* ~	3,0	*4	* °	*62	1.5-	0,5	*,5	* /`s_	*%	*°	₹°	, * . *	**	*/5/	2,0	*×	400	YÃ.
I WI																										
Fre	495	7 0	1	10	13	11	14	15	00	9	00	4	4	4	7	ک	00	19	08 -	91	7		13	0~	14	7
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Fre	. 49	Ldm Fam Du	11	1 0 1	7	11	/3	10	7	00	1	14	8	ત	00	17	7	6	1 2	1 41 66 0.9	7.0 79 10 1	7.0 75	(11 1	7.0 77 16	80 85-12	11/6
Fre	•	Vdm Ldm Fam Du	9.0 82 11	1 21 18	r 48	11 08	79 /3	73 10	7 69	8 85	2/ 65	14	0 55 %	27 2	10.5- 55 8	11 85	7/ 59	5 5:0 72 9	0 75- 6 1	1 21 66 0	7.0 79 10 1	7.0 75	8111	0 77 16	85-12	22 16
Fre	.160	Vdm Ldm Fam Du	82 !!	1 51 18 2:5 0	P 8.5 84 7	0 10.0 80 11	5.0 79 13	7.5 73 10	7.0 63 6	8 85 5.5 0	21 92 2.9 0	H 228	5 6.0 55 8	6.0 57 A	4 5.5 10.5 8	4 0.5 2.0 58 17	0 35 65 12	5:0 72 9	9.0 75- 6 1	1 41 66 0.9	1 01 56 0	7.0 75	6.0 8111	7.0 77 16	80 85-12	12/21/24
Fre	0	Du Dx Vdm Ldm Fam Du	6 4 45 90 82 11	1 61 18 2:5 0.6	P 4 4.0 8.5 84 7	0 10.0 80 11	2.0 5.0 79 13	3,5 7,5 73 10	4 10 2.0 7.0 63 6	8 85 5:5 0.6	40 65 59 04	H 228	4 8 35 6.0 55 8	4 6 3.0 6.0 57 2	5- 4 555 10.5 558	7 4 0.5 2.0 58 17	4 10 20 35 65 12	4 4 2.5 5.0 72 9	6 4 5:0 9.0 75 61	1 6 35 6.0 77 12 1	6 4 3.5 7.0 79 10 1	4 4 2.5 7.0 75	3.0 6.0 81 11 1	4 8 3.0 7.0 77 16	6 4 8:0 8:0 85-12	20 45 77 16
Fre	0	Dr Vam Lam Pam Du	4 4.5 9.0 82 11	1 61 18 5:5 0.6 0 5 3 99	94 6 4 40 8.5 84 7	5 40 100 80 11	96 4 5 2.0 5.0 79 13	98 4 6 3,5 7,5 73 10	100 4 10 2.0 7.0 63 6	8 85 5.5 0.5 9 9 48	x1 65 5.9 04 01 5 58	41 75 7 14	90 4 8 35 6.0 55 8	86 4 6 3.0 6.0 57 2	88 5- 4 5.5 10.5 55 8	86 7 4 0.5 2.0 58 17	90 4 10 2.0 3.5 65 12	86 4 4 2,5 5.0 72 9	86 6 4 50 9.0 75 61	90 4 6 35 6.0 77 12 1	4 3,5 7,0 79 10 1	94 4 4 25 7.0 75	1 11 18 0.0 0.5 p 8 49	98 4 8 3.0 7.0 77 16	96 6 4 80 80 85 12	10 30 45 77 16
Fre	0	Fam Du De Vam Lam Fam Du	13.0 94 6 4 4.5 9.0 82 11	1 61 18 5:5 0.6 0 5 3 99	13.5 94 8 4 4.0 8.5 84 7	93 7 5 40 100 80 11	96 4 5 2.0 5.0 79 13	98 4 6 3,5 7,5 73 10	100 4 10 2.0 7.0 63 6	8 85 5.5 0.5 9 9 48	x1 65 5.9 04 01 5 58	41 75 7 14	90 4 8 35 6.0 55 8	16.0 86 4 6 3.0 6.0 57 2	9.0 88 5- 4 S.5 10.5 55 8	11.5 86 7 4 0.5 2.0 58 17	70 90 4 10 2.0 35 65 12	86 4 4 2,5 5.0 72 9	86 6 4 50 9.0 75 61	90 4 6 35 6.0 77 12 1	90 6 4 3.5 7.0 79 10 1	94 4 4 25 7.0 75	1 11 18 0.0 0.5 p 8 49	98 4 8 3.0 7.0 77 16	96 6 4 80 80 85 12	10 30 45 77 16
Fre	0	Fam Du De Vam Lam Fam Du	94 6 4 45 90 82 11	5 6 20 55 81 12 1	P 4 4.0 8.5 84 7	7 5 40 100 80 11	96 4 5 2.0 5.0 79 13	98 4 6 3,5 7,5 73 10	100 4 10 2.0 7.0 63 6	8 85 5.5 0.5 9 9 48	x1 65 5.9 04 01 5 58	41 75 7 14	20,0 90 4 8 35 6,0 55 8	16.0 86 4 6 3.0 6.0 57 2	9.0 88 5- 4 S.5 10.5 55 8	7 4 0.5 2.0 58 17	12.0 17.0 9.0 4 10 2.0 35 65 12	86 4 4 2,5 5.0 72 9	86 6 4 50 9.0 75 61	90 4 6 35 6.0 77 12 1	90 6 4 3.5 7.0 79 10 1	4 4 2.5 7.0 75	8 4 3.0 6.0 81111	4 8 3.0 7.0 77 16	6 4 8:0 8:0 85-12	10 30 45 77 16
Fre	0	Vdm Ldm Fam Du De Vdm Ldm Fam Du	13.0 94 6 4 4.5 9.0 82 11	1 61 18 5:5 0.6 0 5 3 99	13.5 94 8 4 4.0 8.5 84 7	8.0 14.0 93 7 5 40 10.0 80 11	4 5 2.0 5.0 79 13	98 4 6 3,5 7,5 73 10	100 4 10 2.0 7.0 63 6	8 85 5:5 0:5 9 9 48	x1 65 5.9 04 01 5 58	4 7 55 14	90 4 8 35 6.0 55 8	86 4 6 3.0 6.0 57 2	6,5 9.0 88 5 4 5.5 10.5 55 8	17 7.5 11.5 86 7 4 0.5 2.0 58 17	12.0 12.0 9.0 4 10 2.0 35 65 12	4 4 2.5 5.0 72 9	86 6 4 50 9.0 75 61	90 4 6 35 6.0 77 12 1	90 6 4 3.5 7.0 79 10 1	94 4 4 25 7.0 75	1 11 18 0.0 0.5 p 8 49	98 4 8 3.0 7.0 77 16	96 6 4 80 80 85 12	9 10 20 45 77 16
Fre	.160	Du De Vam Lam Fam Du De Vam Lam Pam Du	7 5 90 130 94 6 4 45 90 82 11	1 51 150 96 5 6 2.0 5.5 81 12 1	7.5 13.5 94 8 4 4.0 8.5 84 7	8.0 14.0 93 7 5 40 10.0 80 11	11.0 16.5 96 4 5 2.0 5.0 79 13	13.0 20 98 4 6 3.5 7.5 73 10	12.5/80 100 4 10 2.0 7.0 63 6	12.0 18.0 gy 6 6 2.0 5.5 58 8	11.0 180 85 5 10 4.0 6.5 59 12	12.0 17.5 88 4 7 55 14	11 8 tho 20.0 90 4 8 35 6.0 55 8	13 11 11.5 16.0 86 4 6 3.0 6.0 57 2	11 14 6.5 9.0 88 5 4 5.5 10.5 55 8	13 12 75 11,5 86 7 4 0.5 2.0 58 17	11 43.0 17.0 9.0 4 10 2.0 35 65 12	7 13 13.0 18.5 86 4 4 2.5 5.0 72 9	9 8 10.0 16.0 86 6 4 5.0 9.0 75 6 1	6 10 1,0 1,0 90 4 6 35 6.0 77 12 1	6 7 8.0 125 90 6 4 3.5 7.0 79 10 1	5- 5- 8.0 135 94 4 4 2.5 7.0 75	9.0 15.0 94 8 4 3.0 6.0 81 11 1	100 160 98 4 8 3.0 7.0 77 16	9.0 15.5 96 6 4 8.0 8.0 85 12	7.5 13.5 96 9 10 20 45 77 16
Fre	.160	Du De Vam Lam Fam Du De Vam Lam Pam Du	7 5 90 130 94 6 4 45 90 82 11	6 9.0 15.0 96 5 6 2.0 5.5 81 12 1	117 9 6 7.5 13.5 94 8 4 4.0 8.5 84 7	119 6 7 8.0 14.0 93 7 5 4.0 100 80 11	9 11.0 16.5 96 4 5 2.0 5.0 79 13	117 7 9 130 200 98 4 6 35 75 73 10	115-4 6 12.5 18.0 100 4 10 02.0 7.0 63 6	8 82 5.5 6 4 6 6 3.0 5.5 58 8	6 8 11.0 180 85 5 10 4.0 6.5 Sq 12	8 13 # 20 175 88 4 7	11 8 tho 20.0 90 4 8 35 6.0 55 8	13 11 11.5 16.0 86 4 6 3.0 6.0 57 2	11 14 6.5 9.0 88 5 4 5.5 10.5 55 8	13 12 75 11,5 86 7 4 0.5 2.0 58 17	10013 11 120 170 90 4 10 20 35 65 12	105 7 13 13.0 18.5 86 4 4 2.5 5.0 72 9	105 9 8 10.0 160 86 6 4 5.0 9.0 75 6 1	111 6 10 11.0 120 90 4 6 35 6.0 77 12 1	113 6 7 8:0 12.5 90 6 4 3.5 7.0 79 10 1	5- 5- 8.0 135 94 4 4 2.5 7.0 75	4 6 9.0 150 94 8 4 3.0 6.0 8 1 11 1	7 5 100 160 98 4 8 3.0 7.0 77 16	6 6 9.0 155 96 6 4 8:0 8:0 85 12	6 8 75-135 96 9 10 20 45 77 16
Fre	.160	Fam Du Dr Vam Lam Fam Du Dr Vam Lam Du	117 7 5 90 130 94 6 4 45 90 82 11	17 8 6 9.0 15.0 96 5 6 2.0 5.5 81 12 1	117 9 6 7.5 13.5 94 8 4 4.0 8.5 84 7	119 6 7 8.0 14.0 93 7 5 4.0 100 80 11	119 6 9 11.0 16.5 96 4 5 2.0 5.0 79 13	117 7 9 130 200 98 4 6 35 75 73 10	115-4 6 12.5 18.0 100 4 10 02.0 7.0 63 6	8 82 5.5 6 4 6 6 3.0 5.5 58 8	6 8 11.0 180 85 5 10 4.0 6.5 Sq 12	8 13 # 20 175 88 4 7	11 8 tho 20.0 90 4 8 35 6.0 55 8	13 11 11.5 16.0 86 4 6 3.0 6.0 57 2	11 14 6.5 9.0 88 5 4 5.5 10.5 55 8	99 13 12 75 11,5 86 7 4 0.5 20 58 17	10013 11 120 170 90 4 10 20 35 65 12	105 7 13 13.0 18.5 86 4 4 2.5 5.0 72 9	105 9 8 10.0 160 86 6 4 5.0 9.0 75 6 1	111 6 10 11.0 120 90 4 6 35 6.0 77 12 1	113 6 7 8:0 12.5 90 6 4 3.5 7.0 79 10 1	5- 5- 8.0 135 94 4 4 2.5 7.0 75	4 6 9.0 150 94 8 4 3.0 6.0 8 1 11 1	7 5 100 160 98 4 8 3.0 7.0 77 16	6 6 9.0 155 96 6 4 8:0 8:0 85 12	6 8 75-135 96 9 10 20 45 77 16
Fre	.160	Fam Du Dr Vam Lam Fam Du Dr Vam Lam Du	7 5 90 130 94 6 4 45 90 82 11	8 6 9.0 15.0 96 5 6 0.0 5.5 81 12 1	9 6 7.5 13.5 94 8 4 4.0 8.5 84 7	119 6 7 8.0 14.0 93 7 5 4.0 100 80 11	119 6 9 11.0 16.5 96 4 5 2.0 5.0 79 13	117 7 9 130 200 98 4 6 35 75 73 10	115-4 6 12.5 18.0 100 4 10 02.0 7.0 63 6	8 82 5.5 6 4 6 6 3.0 5.5 58 8	6 8 11.0 180 85 5 10 4.0 6.5 Sq 12	8 13 # 20 175 88 4 7	11 8 tho 20.0 90 4 8 35 6.0 55 8	13 11 11.5 16.0 86 4 6 3.0 6.0 57 2	6,5 9.0 88 5 4 5.5 10.5 55 8	99 13 12 75 11,5 86 7 4 0.5 20 58 17	11 43.0 17.0 9.0 4 10 2.0 35 65 12	105 7 13 13.0 18.5 86 4 4 2.5 5.0 72 9	105 9 8 10.0 160 86 6 4 5.0 9.0 75 6 1	11.0 111 6 10 110 120 90 4 6 35 6.0 77 12 1	11.0 113 6 7 8.0 12.5 90 6 4 3.5 2.0 79 10 1	5- 5- 8.0 135 94 4 4 2.5 7.0 75	4 6 9.0 150 94 8 4 3.0 6.0 8 1 11 1	7 5 100 160 98 4 8 3.0 7.0 77 16	6 6 9.0 155 96 6 4 8:0 8:0 85 12	6 8 75-135 96 9 10 20 45 77 16
Fre	. 051 160	Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du	117 7 5 90 130 94 6 4 45 90 82 11	17 8 6 9.0 15.0 96 5 6 2.0 5.5 81 12 1	120 N.S 117 9 6 7.5 /3.5 94 8 4 4.0 8.5 84 7	10.017.0 119 6 7 8.0 14.0 93 7 5 4.0 100 80 11	6 9 11.0 16.5 96 4 5 2.0 5.0 79 13	11,018,0117 7 9 13,0 20,0 98 4 6 3.5 75 73 10	115-4 6 12.5 18.0 100 4 10 02.0 7.0 63 6	8 82 5.5 6 4 6 6 3.0 5.5 58 8	51 65 5.0 04 01 -2 180 180 1.5 10 10 10 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10	130 190 105 8 13 # 0 # 15 89 4 7	12,5190 125 11 8 the to ac 90 4 8 35 6.0 55 8	13 11 11.5 16.0 86 4 6 3.0 6.0 57 2	11 14 6.5 9.0 88 5 4 5.5 10.5 55 8	7,5 12.5 99 13 12 7,5 11,5 86 7 4 0.5 20 58 17	115 10013 11 4:0 17:0 90 4 10 2:0 3:5 65 12	12.0 105 7 13 13.0 18.5 86 4 4 2.5 5.0 72 9	7.5 125 105 9 8 10.0 160 86 6 4 5.0 9.0 75 6 1	111 6 10 11.0 120 90 4 6 35 6.0 77 12 1	113 6 7 8:0 12.5 90 6 4 3.5 7.0 79 10 1	5- 8.0 135 94 4 4 25 7.0 75	6 9.0 15.0 94 8 4 3.0 6.0 8 111 1	7 5 100 160 98 4 8 3.0 7.0 77 16	117 6 6 9.0 155 96 6 4 8.0 8.0 85 12	4 75 135 119 6 8 75 135 96 9 10 20 45 77 16
Fre	.160	Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du	90 160 117 7 5 7.0 13.0 94 6 4 45 90 B2 11	9.5/60 1/7 8 6 9.0 15.0 96 5 6 0.0 5.5 81 12	2 10.0 16.5 117 9 6 7.5 13.5 94 6 4 4.0 8.5 84 7	3 10.017.0 119 6 7 80 14.0 93 7 5 4.0 100 80 11	11.0175 119 6 9 11.0 16.5 96 4 5 2.0 5.0 79 13	11,018,0117 7 9 13,0 20,0 98 4 6 3.5 75 73 10	10.5/7.5 115- 4 P 12.5/18.0 100 4 10 2.0 7.0 63 6	105/75 109 6 4 120 180 84 6 6 2.0 5.5 58 8	21 92 190 190 190 180 85 5 10 40 6.5 S.	2 6 130 190 105 8 13 # 0 # 155 88 4 7 55 14	4 /2,5/190 102 11 8 tho took 90 4 8 3,5 6.0 55 8	3 5- 11,0 170 99 13 11 11.5 16.0 86 4 6 3.0 6.0 57 2	4 5 95 145 101 11 14 6,5 9.0 88 5 4 5.5 10.5 55 8	5 6 75 Des 99 13 12 75 11,5 86 7 4 0.5 20 58 17	6 4 20 115 10013 11 70 170 90 4 10 20 35 65 12	2 4 80/20 1057 7 13 130 185 86 4 4 2.5 5.0 72 9	3 5 7.5 125 105 9 8 10.0 160 86 6 4 5.0 9.0 75 6 1	4 4 65 11,0 11,1 6 10 1,0 17,0 90 4 6 3.5 6.0 17 12 1	6.5 11.0 113 6 7 8.0 125 90 6 4 3.5 7.0 79 10 1	7.5 130 114 5 5 8.0 135 94 4 4 2.5 7.0 75	6.5 /20 115 4 6 9.0 150 94 9 4 3.0 6.0 81111	4 4 80 13.0 116 7 5 10.0 16.0 98 4 8 3.0 7.0 77 16	2 4 75 125 117 6 6 9.0 155 96 6 4 8.0 8.0 85 12	2 4 75 135 119 6 8 75 135 96 9 10 20 45 77 16
Fre	. 051 160	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du	3 90/60 117 7 5 7.0 13.0 94 6 4 4.5 9.0 82 11	2 9.5/6.0 1/7 8 6 9.0 15.0 96 5 6 2.0 5.5 81 12 1	4 2 10.0 N.S 117 9 6 7.5 /3.5 94 8 4 4.0 8.5 84 7	3 10.0170 119 6 7 8.0 14.0 83 7 5 4.0 100 80 11	4 11.0175 119 6 9 11.0 16.5 96 4 5 2.0 5.0 79 13	4 2 11,0/80 117 7 9 13,0 20,0 98 4 6 3.5 7.5 73 10	4 DS/75 115- 4 6 125180 100 4 10 00.0 70 63 6	3 105/75 109 6 4 120 180 By 6 6 20 5.5 SP 8	21 92 190 190 190 180 85 5 10 40 6.5 S.	2 6 130 190 105 8 13 720 175 88 4 7 55 14	4 /2,5/190 102 11 8 tho took 90 4 8 3,5 6.0 55 8	5- 11,017,0 99 13 11 11,5/16,0 86 4 6 3.0 6.0 57 2	4 5 95 145 101 11 14 6,5 9.0 88 5 4 5.5 10.5 55 8	6 75/25 99 13 12 75/115 86 7 4 0.5 20 58 17	4 20 115 10013 11 400 170 90 4 10 2.0 35 65 12	4 8.0 120 1057 7 13 13.0 18.5 86 4 4 2.5 5.0 72 9	5 7.5 125 105 9 6 10.0 160 86 6 4 5.0 9.0 75 6 1	4 4 65 11,0 11,1 6 10 1,0 17,0 90 4 6 3.5 6.0 17 12 1	4 6.5 11.0 113 6 7 8.0 125 90 6 4 3.5 7.0 79 10 1	4 7.5 130 114 5 5 8.0 135 94 4 4 25 7.0 75	4 4 6.5 /30 /15 4 6 9.0 150 94 8 4 3.0 6.0 81 11 1	4 4 80 13.0 116 7 5 10.0 16.0 98 4 8 3.0 7.0 77 16	2 4 75 125 117 6 6 9.0 155 96 6 4 8.0 8.0 85 12	2 4 75 135 119 6 8 75 135 96 9 10 20 45 77 16
	. 013 051 160	Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du	154 2 3 9,0 160 117 7 5 7,0 130 94 6 4 45 9,0 82 11	4 2 9.5/6.0 1/7 8 6 9.0 15.0 96 5 6 2.0 5.5 81 12 1	2 10.0 16.5 117 9 6 7.5 13.5 94 6 4 4.0 8.5 84 7	3 3 10.0 17.0 119 6 7 8.0 14.0 93 7 5 4.0 10.0 80 11	2 4 11.0175 119 6 9 11.0 11.5 96 4 5 20 5.0 79 13	4 2 11,0/80 117 7 9 13,0 20,0 98 4 6 3.5 7.5 73 10	2 4 DS 175 115- 4 6 125 180 100 4 10 2.0 7.0 63 6	2 3 105/75 109 6 4 120 180 84 6 6 20 5.5 58 8	21 92 19,0 19,0 18 081 011 0 18 0 19,0 6,5 5 6	2 6 130 190 105 8 13 # 0 # 155 88 4 7 55 14	4 4 12,519,0 122 11 8 tho 20,00 90 4 8 35 6,0 55 8	3 5- 11,0 170 99 13 11 11.5 16.0 86 4 6 3.0 6.0 57 2	5 95 145 101 11 14 6,5 9.0 88 5 4 5.5 10.5 55 8	5 6 75 Des 99 13 12 75 11,5 86 7 4 0.5 20 58 17	6 4 20 115 10013 11 70 170 90 4 10 20 35 65 12	2 4 80/20 1057 7 13 130 185 86 4 4 2.5 5.0 72 9	3 5 7.5 125 105 9 8 10.0 160 86 6 4 5.0 9.0 75 6 1	4 4 65 11,0 11,1 6 10 1,0 17,0 90 4 6 3.5 6.0 17 12 1	2 4 6.5 11.0 113 6 7 8.0 125 90 6 4 3.5 2.0 179 10 1	3 4 7.5 13.0 114 5 5 8.0 13.5 94 4 4 25 7.0 75	4 6.5 120 115 4 6 9.0 150 94 8 4 30 6.0 81111	4 80/30 1167 5 100 160 98 4 8 3.0 7.0 77 16	4 75 125 117 6 6 9.0 155 96 6 4 8.0 8.0 85 12	4 75 135 119 6 8 75 135 96 9 10 20 45 77 16

 $F_{\rm am}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\mathcal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of overage logarithm in db below mean power

		135	DX Vdm Ldm	(2)	1,5	9	4	ک	4	4	9	6	7	7	9	/	01	11	0/	01	1	6	7	8	7	7	7	
	F		dm Fam	200	68	89	89	88	18	159	5-8	5.8	5.5	55	5.5	77	10	49	49	65	49	70	80	85	60	88	89	
			0 -	4	2	9 6	7	9	8	0	12	5	7	5	9	00	8	23	20	23	77	9/	10	00	2	9	0	
		500		7	7	4	4	5	5	4	7	4	4	4	~	9	0	2	2	7	7	9	9	00	۵	7	,	
			Dr Vdm Ldm																	.,	-							
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		2,5	70 "	6 5	5 7	5 5	7 4	5	9	(۲	3	6 3	4	(3	7	3	5	7 10	7	13 6	1 5-	7 5	7 9	5 4	12	4	7 7	
			Vdm Ldm																									
	-		Fam	67	97	57	19	63	63	57	64	41	38	36	35	35	37	40	44	64	5.5	19	59	69	69	89	99	
			ص ه	5	9	5	7	3 5	5	4	3 2	9	5	5	9	00	9	7 /3	6	6 6	2	1 4	7	7	7 6	*	12	
1	rreduency	5	70	4	7	4	3	4	7	7	7	4	3	5	4	~	9	7	5	7	9	4	9	7	7	9	٦,	
	ency		Vdm Ldm Fa	4	7	14	7	ν)	39	7/	hh	4	141	39	39	37	7	15	4	1 49	15	15	15	49	84	44	43	
184	(MC)		Fam Du	7	1.5	4 1	0 3	# 6	9 2	8	7 7	43 6	1 5	5 9	4 6	7 4	40 5	7	46 6	4 6	7 3	4 1	h 1.	9 5	7 8	* t:	3 3	
-		10	7 0	r	~	۲	٦	ィ	ત	べ	2	~	ત	~	~	4	7	72	5	4	2	2	4	4	5	3	60	
			Vdm Ldm Fam																									
			Fam	44	20	73	۲۳	78	77	2	23	75	76	70	26	26	27	28	29	29	30	28	75	44	74	44	40	
		, 4	'n	0		,	જ	જ	/	0	_	1	-	-	-	1	,	3	7	ィ	1	no	~	1	_	_	_	
		20	70	,		1	0	0	0	-	-		1	-	-	1	1	_	7	1	3	-	1	1	_	_		
			Vdm Ldm																									
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			Fam D																									
			O no																									
			De Vem Lem																									
			n Ldm																									
			Fam																								-	
			۵																									
			70																									
			Vdm Ldm																									
	- 1		-dr																									ı

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db D_{g} = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of overage logarithm in db below mean power

USCOMB-NES-BL

MONTH-HOUR VALUES OF RADIO NOISE

		Vdm Lq																									
		70																									
		Du																									
		Fam																									
		Dr Vam Lam Fam			,										,												
		Mp/																									
		ZO																									
		ρ'n																									
		Fam																									
		Vdm Ldm																									
	20	10	_	_	-	0	٥		-	_	-	γ	જ	ィ	_	3	7	જ	4	7	_	-	-	1	-	0	
	2	D _u	_	_	0	~	-	0		-	~	_	_	ィ	3	~	Μ	4	6	~	જ	1	/	-	\	_	
		Fam	2	23	23	27	42	23	23	23	27	28	26	28	3	بر	33	33	20	36	25	74	pro	he	24	<u>ي</u>	
		De Vem Lem																									
		Vdm																									
	01	7 _Q	7	~	3	3	イ	~	ィ	3	۲	3	γ	٦	ぺ	W	8	Μ	ړی	3	7	Λ)	3)	4	3	4	
(Mc)		Du	7	7	4	~	6	~	7	7	9	9	-9	2	5	4	6	7	9	9	9	9	5	9	3	~	
		Fam	38	38	38	38	34	34	35	37	3	1/	39	39	37	39	40	42	14	42	3	40	40	38	38	38	
Frequency		D& Vdm Ldm Fam																									
nbe		V _{dm}																									
Fr	5	Ja	7	7	~	m	7	~	12	7	7	3	Μ	7	8	12	V	8	e	00	5	5	7	4	7	7	
		۵	ام	4	7	7	7	7	9	7	1,2	5	1,2	4	3	3	6	1	10	7	9	12	5)	7	9	7	
		Fam	19	5.9	5.9	59	59	58	25	48	37	34	ر ي	3 /	3,	33	34	37	45	54	57	53	9	9	5.5	9	
		De Vem Lem Fam																									
		Vdm																									
	2,5	D	9	5	90	12	4	و۔	4	9	4	ħ	12	7	٦	~	7	12	3	6	9	9	3	12	7	10	
		Du	7	6	00	1	0	0	7	9	5	9	3	ぺ	7	7	4	10	40/2	7	7	10	0/			6	1+h
		Fam	89	66	67	65	79	7	5.1	40	35-	<u>~</u>	32	32	32	چک	34	35	40	75	828	62	19	99	99	67	house
		De Vam Lam																									4
	0	Vdm																									ai dai
	.500	70	W	7	7	<i>∞</i>	2	12	7	5	ای	12	6	7	7	4	W	ત	8	М	6	10	8	0	5	8	200
		Da	1,0		2	9	,	11	9	10	10	۲/	(A)	00	6	00	6	17	6	14	2	8	10	7	λ,	1	antor
		Fam	20	90	88	88	85	79	65	77	79	79	19	4	イッ	79	63	79	63	63	73	80	86	88	89	88	orthog
		Vdm Ldm																									f 0660
																											o orde
	.135	70	1	0	00	00	00	2	9	7	9	9	2	9	3	00	٠,	0	જ	ړی	9	7	0	10	9	7	ign of
		0	12	'^	7	00	1/	1	0	00	7	16		_	-	/3	9/	14	8/	16	//3	14	1/2	9	00	9	among a de as a contract and a second and a contract and a contrac
		먑	//3	4		2 ///	109	106	86	95	93	93	93	93	3		46	96	26	63	201	104	109	110	///	(//	u
(TS) I	noH	8	0	02	03	04	05	90	07	98	60	0	=	12	5	4	15	91	17	18	19	20	21	22	23	

Fam = median value of effective antenna noise in db above ktb

 $D_{\rm u}$ = rotio of upper decile to median in db $D_{\rm A}$ = rotio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

RN-13 USCORRENES.-BL

Month November 19_62_			Vdm Ldm																								
er			DL																								
dan			Da n																								
Nove			Fan																								
Ë			n Ldn																								
Jon			Dr Vam Lam Fam																								
_																											
MZ.			Fam Du																								
78.			E P					-						-													
ong.			De Vem Lem					_																			
2		0	ار \ ا	_														d				~	~				_
8 8 N		20	D u C	0	0	0		0	0	0			~	9	~	γ	7	7		7		۲ /	3				10
. 38			_	22	77	7	77	23 (7	73 (33	he	24 2	74	74	38	78	38	28 2	25	کړه	hr	44	23	23	23/	73 6
, Lo			De Vdm Ldm Fam	7	7		8	, 9	7	~	~		3	7		~		8	8	. 9	76	~	<u></u>	- 8	70	76	~
zini			dm L																								
Vir		0	D, V	~	~	_	~		_	ત	_	7		_	_		~	٦	76	~	ィ	~	m	_		76	_
ral,	(Mc)		Du.	7	7	3	7	~	7	5	2	7	7	9	~	4	7	9	7	3	3	γ	4	~	~	7	3
RO	ڪ			36	35	34	35-	35	35,	36	37	35	33	Z,	ర్జ	36	37	38	40	38	38	37	36	36	36	36	35,
Station Front Royal, Virginia Lat. 38, 8N. Long. 78, 2W	ncy		D& Vdm Ldm Fam																								
딘	Frequency		V _{dm}																								
tatic	Fre	5	70	4	7	7	ام	2	9	9	7	اک	9	12	3	4	4	4	7	5	5	7	00	7	9	9	10
(C)			Da	4	7	7	6	7	7	6	2	9	ħ	7	7	4	5	ک	9	7	15	6	7	7	%	7	9
			Fam	57	376	57	53	5	25	15	50	14	38	36	33	3,	32	34	38	45	Ç	55	5.6	200	53	57	5-6
ISE			D& Vdm Ldm Fam																								
9		2	Vdm																								
0		2.	7 _Q	7	7	6	7	12	و	7	•	و	4	ત	~	જ	'n	4	7	9	2	4	~	72	8	7	15
ADI			ng u	20	00	11 25	11 85	55</th <th>1 25</th> <th>21 12</th> <th>7</th> <th>4</th> <th>12.</th> <th>4</th> <th>4</th> <th>4</th> <th>5</th> <th>7</th> <th>ſ'n</th> <th>,5</th> <th>11</th> <th>5/ 12</th> <th>7</th> <th>6/85</th> <th>11</th> <th></th> <th>000</th>	1 25	21 12	7	4	12.	4	4	4	5	7	ſ'n	,5	11	5/ 12	7	6/85	11		000
8			Dr Vam Lam Fam Du	9	5.5	28	S	Ś	Š	15	44	38	لاق	30	8	32	33	34	37	44	12	15	5.6	5-5	5.5	5-9	99
PF			n Ldn																								
S		500	Vdn																								
3		5		7	9	00	6	9	8	5	9	5	12	4	7	4	٠,٨	5	7	7	10	11	(3	15	/3	0/ (9 0
AL			D E	85- 9	85- 10	85- 8	3 6	76 11	71 14	3 14	9 7	5	5- 6	00	5	4	7 6	3	7 4	9 7	11 /	, //	6 8	3	855 7	7	01 18
~			T _D	00	8	00	S	7	7	63	53	25	55	5.5	5-7	5.6	157	5	57	5.3	19	70	28	2	<u>~</u>	158	08
J.			DA Vdm Ldm Fam Du																								
구 무		135	74	7	1,0	5	5	00	7	4	3	7	7	<i>E</i>)	3	7	76	4	ત	3	4	4	7	00	2	9	72
Ŧ		. 13	D no	7 6		,	10 3	00	8	11 4	0/	9	00	10	(۲		12	۲/	/3	10	12 ,	/2/	/٦/	0	2	2	7 5
MONTH-HOUR VALUES OF RADIO NOISE			Fam D	. hal	01 201	1001	_	66	97	90	1 18	8.3	83	83/	83.1	84 12	1 1-8	1 48	1 48	87 1	911	93 /	95-1	701	201	701	103
M	(T2	ا (٦	noH	00	01 10	20	03 100	04 9	05 9	90	07 6	80	9 60	01	- 1	12	13 8	14	15	16	17 9	18	61	20 //	21 1/4	22 /	23 //
				J						٠														44	14	.4}	ب

 $F_{\rm cm}$ = median value of effective ontenno noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db $V_{\rm cm}$ = median deviation of average voltage in db below mean power $L_{\rm cm}$ = median deviation of overage logarithm in db below mean power

	L-dm																									10-594
	Vdm																									ASCO SU
20	DL	0	2	1	0	0	0	0	0	7	જ	7	2	0	8	0	2	7	7	7	7	8	7	3	0	

Month September 1962

Station Kekaha, Hawaii Lat. 22, 0N Long. 159, 7W

MONTH-HOUR VALUES OF RADIO NOISE

		Vdm Ldm																									
		Vdm																									
	20	70	0	7		0	0	0	0	0	2	8	7	2	0	2	0	2	2	7	2	7	8	2	3	0	
		Du	0	0	/	7	7	3	2	'n	7	7	/	r	7	2	ч	4	7	7	7	3	2	0	0	0	
		Fam	24	24	23	22	22	22	22	22	22	22	22	20	20	22	22	22	24	24	24	24	24	24	400	24	
		De Vam Lam																									
		DE	9	9	7	3	8	7	8	5	7	7	~	7	8	7	7	7	¥	*	*	8	7	9	4	9	
	1	Du	00	5	#	47	8	*	3	#	9	9	9	7	4	#	10	00	9	ત્ર	5	4	87	2	3	7	
		Fam	40	40	38	35	34	32	32	28	22	20	81	81	8/	8/	18	22	36	32	36	42	12	42	07	40	
		Vdm Ldm																									
	5	7	9	9	00	ď	3	5	3	5	9	3	7	8	7	+	*	7	9	9	*	*	7	7	*	5	
		Du	H	7	7	16	3	7	+	4	80	7	7	7	4	9	10	9	7	7	*	ک	9	*	n	6	
		Fam	59	59	19	5/	49	50	67	43	33	38	25	25	23	25	25	27	29	£	1#	47	47	5/	2/	5/	
		Vdm Ldm																									
	5	7 ₀	n	3	4	7	4	9	ک	5	7	5	7	7	4	7	4	8	۲	7	4	2	*	4	رى	6	
(Mc)	2.	۵	٠	9	e	7	00	e	e	7	7	7	7	E	0/	/3	7	0/	0	9	00	9	79	•	7	*	
		Fam	57	57	57	57	57	59	58	47	42	37	33	33	33	3/	£3.	33	33	35	39	47	2/	53	56	57	
Frequency		DZ Vdm Ldm	12.0 20.0	11.0 19.0	12.0 20.5	11.0 20.0 57	120 225	10.5 18.5	16.0	6.0	8.5	6.5	9.0	6.5	6.0 33	12.0	6.5	35 60 33	4.5 6.5	5.5	2.0	5.5 8.5	6.5 11.0	100 16.5	10.0 16.0 56	10.0 17.0 57	
nbe		V _{dm}	12.0	11.0	12.0	11.0	120	10.5	9.0	3.5	6.0	4.5	6.0	4.0	3.5	8.5	4.0	3.5	4.5	3.5	40	5.5	6.5	100	10.0	10.0	
I.	495	7 ₀	#	9	9	0/	6	00	00	9	9	ч	n	*	#	*	8	4	ч	4	9	9	*	6	00	9	
	•	۵	7	10	10	00	00	00	1	18	22	24	52 22	2	20	33	22	18	7	7	*	9	77	I	01	01	
		Fam	83	83	85	87	85	83	67	55	55	51	52	5/	5/	51	5/	5/	51	3	12.0 63	9.0 15.5 73	75	78	10.0 16.5 83	10.0 16.0 84	
		L-dm	10.5 17.0	11.0 18.0 83	12.5 19.0	12.0 22.0 87	12.0 205	13.5 22.0 83	12.5 20.5 67	11.0 16.5	8.5 14.5	12.0 21.0 51	16.0	14521.0 51	10.5 16.5 51	18.0	8.0 13.0	8.0 14.5	7.5 /3.0	60 11.5	12.0	15.5	10.0 17.0	12.0 19.0	16.5	16.0	
		De Vam Lam Fam	10.5	11.0	12.5	13.0	13.0	13.5	12.5	11.0	2.5	12.0	10 11.0 16.0	14.5		10 * 11.0 18.0	8.0	0.0	7.5	60	65	9.0	10.0	12.0	10.0	10.0	
	160	D	*	9	و	*	00	9	e	9	9	0/	=	00	13		6	n	*	9	9	*	*	+	7	*	
		D.	#	e	9	9	7	+	00	2	25	20	22	22	20	74	25	39	0	4/	જ	9	13	>	6	9	447
		Fam	11.0 17.0 105	11.0 17.0 107	107	107	13.0 20.5 109	107	99	77	1/	77	76	75	76	177	22	69	1/	1	28	16	95	66	102 170 101	11.0 17.0 103	
		Dr Vam Lam	17.0	17.0	125 190	12.5 19.5	20.5	13.0 21.5	13.5 21.5	12.0 20.0	12.5/8.5	120 175	130 19.0	13.0 19.0	11.5 18.0	140 195	11.0 16.0	135190	12.5 /70	13.0 18.5	8.5 140	80 135	9.0 15.5	11.0 17.5	170	17.0	4
		Vdm		كنست	12.5		13.0	13.0	13.5	12.0		120	130	13.0			11.0		3		8.5		9.0		105	11.0	1
	051		#	9	9	9	9	e	9	#	6	9	00	7	9	9	9	*	*	9	7	*	4	9	8	3	1
	•	, Du	+	+	*	9	*	4	7	4	3 7	7/	14	1	00	01	12	7/	2	0/	7	9	9	3 4	2	•	1
	_	Fam	127	129	129	129	13/	3)	/25	7	1/3	601	///	0//	1	1/3	111	109	105	107	109	///	6//	12.	12.	527	a string
ľ		Ldm	10.0 17.0 127	105 175 129	11.0 18.0 129	12.0 19.0 129	13.5 21.0 131	13.5 205 131	125 19.5 129	13.0 20.0 /21	12.0 18.0	11.5 18.0 109	10.0/6.5 111	11.0 16.5	111 5.9/5.01	12.0 18.0 1/3	12.0 19.0 111	20.0	12.5.20.0 105 16	12.5 20.0 107 10	11.0 18.0 109	10.0 18.0 117	10.0 17.0 119	10.0/7.0 123	10.0 16.5 123 6	10.0 16.0 125	
		DA Vdm Ldm		_	11.0	_					12.0				10.5		_	6 125 200 109 14	_	12.5			_	10.0			all a
	013		*	+	7	*	e	4	7	+	9	h	+	6	00	و	9		_	3	ત	7	9	7	4	7	1
	•	ď	42	2	7	જ	* 1	9	*	9	+	4	7	4	0	7	9	7	9	9	9	7	4	e	*	7	to the all orders assessed and beginning to be a selected as a second of the second or
-	Ļ	m _E	154	154	154	03 154	04 154	152	06 154	07 /52	150	150	150	150	152	150	150	150	94/ 91	148	146	841 61	150	/20	15.2	23 /52	L
(T8	ג (רפ	inoH	8	ō	02	03	04	05	90	07	80	60	10	Ξ	12	13	14	15	9	17	18	6	20	2	22	23	

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\mathcal R}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal Z}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

		E																								
		Vdm Ldm																								-
	20	D. Ve	į				~		_	_		~					~		7	61	~				_	
	,,	D _u D	0	2	3	7	2	7	2	3	2	7	0	2	3	8		3		0	3	2 2	0	0	0	
		Fam D	73	23 2	23 0	9	23 2	3	23 2	m		23 0	2/0	19	0	3	23 2	23 2	25 0	25 (0	8	ى ك	2	3	23 2
			7	4	78	23	7	23	7	a	23	3	3		2/	23	7	7	· ~	4	25	35	23	13	23	8
		Vdm Ldm																								\dashv
	10	Dr Vd	L.					- 1																		
			5	٦	7	3	n	+	*	w	*	4	a	3	3	7	7	7	9	7	9	4	ζ,	9	3	(a)
		Fam Du	37 4	35 5	34 5	33 7	3/6	7	7	6 8	23	9	7 81	17 6	7	9	9	0/	27 8	3/ 6	35 2	35 4	37 2	38 4	7 6	36 5
		=	<i>w</i>	M.	<i>w</i>	60	m	3/	3	28	u	19		_	1/	17	7	'n	3	w	60	ന	w)	6	37	<u></u>
		Vdm Ldm																								
		De Ve				~	la l	7	10	~			,	~1	6	-1	ly.	. 0	-0	e	*	7		20		
	5	D _u C	4	4 7	9 7	2	4 5		5	9	7	£	*	6 2		4		9	2			4	7	ζ,	2	9
		Fam D	53 1	55 4	55	47 6	47 4	47 4	47 4	6 14	37 6	25 4	25 6	23 6	24 7	25 6	27 6	27 8	31 7	37 5	39 8	17	44 5	47 7	9 64	5/ 4
			٠,	٠,	۵,	2	4	3-	*	2-	m	۲۲	7	7	7	4	7	.4	(۸)	3	(7)	7	4	4	4	
		Vdm Ldm																								
		De V	7	9	5	ارا	9	·	Ŧ	7		7	7	~	7	7	7	H	ب	0/	9	7	7	ک	7	9
3	2,5	Du	<u>ل</u> م	10	00	00	9	*	7	e	9 6	00	7	7	9	9	9	00	0)	6	6	٥٥	5	7	7	
(Mc)		Fam	57	55	57	57	57	57	55	6#	39	35	33	3/	3,	31	3/	3/2	33 /	39						5 4
S C		Ldm	19.0		0.0	2.0	17.0 3			7.0 4	6.0	5.5	10.0	5.5	4.5 is	5.0	6.0	7.0	5.5	5.5	75 43	2.0 4	5.0	0.0	3.0 5	3.0 5
laeu		dm L	11.0 //	12.0 21.5	12.0 20.0	11.0 20.0	9.5 1	10.0 17.0	10.5 15.0	4.5 7	4.0 6	4.0 5	6.5 10	4.0 3	2.5	3.0	3.5 6	4.5 7	3.5	35	4.5 7	11.0 19.0 47	11.5 18.0 51	12.0 20.0 51	12.0 19.0 55	12.0 19.0 55
Frequency	495	D& Vdm	6	9	7 7/	17 11	6 11	7/7/	19 11	e	7	2 4	4	4	3	4	7	4	7	5	7	1 6	00	9	8	7 9
		Do	9	13	7	10/	7	8	1	2	10	4	d	9	7	e	7	*	8/	00	6	77	`	80	0/	0/
			_					79	1/	55	5/ /2	5,	55	5	5/	51	5/	3/	5/	54	19	69	7	74		
		dm	185	11.0 18.5 81	11.0 18.0 80	10.0 18.5 81	10.5 19.0 83	17.5	17.5	0.5	3.0				$\overline{}$	14.0		14.0	13.0			_			11.5 19.0 77	11.0 19.0 79
		dm L	11.0 /	101	101	0.0	150	10.5	10.5 1	9.0 15.0	8.0 13.0	7.5 14.0	9.0 16.0	8.0 15.0	10.0 16.0	8.0 /	8.0 14.0	15.0	8.0 /	8.5 14.0	100/6.5	11.0 19.5	12.5 20.5	13.0 21.0	15/	101
	160	D& Vdm Ldm Fam	11	1 01	12	/#/	13 /	/3 //	14/	7	4 1	7	7	7 7	7	4 8	7	7	2	م	9	10/	8	10/	10/	"
		Du	9	60	6	10/	8	9	9	11	9	9	//	0/	7	00	9	7	6	13	6	9	7	6	8	7
		Fam	102	107	107			182	100	28	72	7.7	72	74	$\overline{}$	77	_		_			_	-		96	
			16.5	17.0	18.0	/8.0	18.5	0.8			7.5	_	18.0	17.5	18.5	17.5	18.5	0.9/	19.0	15.0	0.6	15.0	7.0	16.0	7.5	0.9
		De Vem Lem	10.0 16.5 102	10.5 17.0 102	11.0 18.0 102	11.0 18.0 102	11.0 18.5 103	11.0 18.0	11.0 18.0	11.0 17.5	11.0 17.5	11.0 15.5	12.0 18.0	11.5 17.5	13.0 18.5 72	12.5 17.5	12.5 18.5 72	11.5 16.0 72	13,0 19.0 72	9.5 15.0 75	9.0 14.0 80	10.0 15.0 88	12.5 17.0 90	11.5 16.0 93	11.0 17.5 96	5 11.0 16.0 100
	051	70	7	7	8	9	9	2	00	9	2	7	9	7	9	7	7	*	4	الم	*	8)	<i>b</i>	5	9	5
		na	#	*	b	9	49	9	3	7	87	e	8	00	9	8	00	00	00	15	کا	1	7	3	*	*
		Fam	125	125	=	_		127	129			201	103	103				103	103		107	601	111	117	12/	
			10.5 17.0 125	10.5 17.0 125	10.5 17.0 127	10.5 170 127	10.0 16.0 127			10.0 16.5 121	10.0 16.5 113		18.6	12.0 18.0 103	12.5/9.5 105	130 21.0 103	140 21.0 105	15.0 22.0 103	13.5 2/5 103	13.0 21.0 103	11.5 18.5 107	10.517.5 109	10.0 17.0 111	10.0 16.0 117	16.0	10.0 16.5 123
		Vdm Ldm	10.5	10.5	10.5	10.5	10.0	9.5 15.5	10.0 16.0	10.01	10.01	10.5 17.0	12.0 18.6	12.0	12.5	130	140	15.0	13.5	13.0	11.5	10.51	10.01	10.01	10.0 16.0	10.01
	013	2	7	7	7	8	_	7	d		8	7	3	7	n	n	*	0	*	8	7	3		7	*	8
	0	n O	n	*	က	7	2	4	7	~	7	7	7	7	ત	7	r	#	3	n	ന	٧	7	7	7	40
		Ta Em	152	01 /52	152	152	04 154	154	154	154	150	841	841	841	841	8#1	14 148	146	8+1	941	9/1	841	20 149	150	157	23 /52
(18	ג (ר?	noH	00	10	05	03	04	05	90	07	80	60	0	E	12	13	14	15	91	17	18	61	20	21	22	23

Month November 1962

Station Kekaha, Hawaii Lat, 22,0N Long, 159,7W

MONTH-HOUR VALUES OF RADIO NOISE

 F_{am} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

* * * From November 1961 the channel 4 recordings for New Delhi are for ,495.

62			D& Vam Lam	3.0	5:0 3.5	2.0 3.0	1.5 3.5	2.0 4.0	7.5 3.5	2.0 %	* * *		*5	2.0 4.5	3,5	30 45	5:5	3.0 5.5	3,0 4,0	, × ,	* 5	# W	2,5	3.5	2.0 3.0	7.5	1.5 2.5
197		20	6 ٧٥	-51/					21 4		* %	*/ .s.	*~	*4	2.0		3.5			4.0	# 3 5	* M	51/		_	1.0	
				7	16	٦,	4	2		~	76	~8	76		w	16	4	76	4		~	1	4	8	8	ہ	7
Month September			ם פר	7	7	7	7	5 0	4	7	~	40	16	١٠	4	00	2 6	9 6	3		7	7	9	4	7		4
epte			D& Vdm Ldm Fam	6.5 27	6.0 25	25	72	76	27	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		157	کم	*~	27	27	٦	29	79	*~	7	29	127	197	4.5 6.5 27	76	252 37
ج:			Ldm	is.	6.0	* 5	2.5 4.5	7.5 3.5	4° 0.7.	75.5	¥ 0.4	· \1	* 00	* W.	4.5	\$.0.5	* 0°.5	* × °	*6.	45 5.5	*~	*~	\$.0 7.0	*	6.4	30 5.5	55
lont			Vdm	3.5	0.7	* ℃	5.5		*2	3	*12.	4.5	* 6	*~	3.0	* %	4.5	* ~	*3	*3	*3.	*,0		6.0	*? ```	8	4.0
2		10	ď	2	~	2	9	9	7	2	2	4			8	11	9	7	7	ر.	72		5	16	7	Υ	~
덾			D	7	5	9	7	る	7	2	2	2			4	5	9	7	~	7	4		00	l2	9	7	7
35.77			Fam	43	\$	14	43	7	39	3	7	39	*~	37	141	4	41	47	Sh	64	5-1	19	49	45	45	43	14
			De Vem Lem	4,05.5 43	6.5	* 0 P.O	7.0	5.0	3,5 4.0	6.0	40.5	9.0	* P. S.	4.5	8.0	9.0	8.5	¢0 ¢0 ¢0	* 5.9	\$ 5.0	× //.5	10:	8.0	\$0.0	+ 5.9	7.5	7.0
o o			Vdm	407	4,0	4.0	4.0	7 3.0	3,5	4.0	* 'S	6.0	5.0	7.0	45.5	* 5.5	* 63	* S:S	30.	3,0	9.0	*60	5.0	5.0	\$3	5.0	** 0
		Ŋ	70	2	ری	7	90	7	و	9	00	0	1		4	6	/3	1	~		0/	7	6	.0	0	6	0
83			Du	~	٦,	را	7	00	5	2	0/	7	د		0/	7	01	01	14		7	00	6	7	6	د	7
Lat. 28, 8N Long.			Fam	57	25	5-6	757	ر	G	G	84	47.	1/4	36	37	41			84	45	5.6	25	9	85	255	57	55
۲			D& Vdm Ldm Fam	12 6.0 9.0 57		12 S.5 7.5 61	7.5		6.5 10.0 52	12.0	8.5 48	رج الح الح الح	¥ 2.5.	* 3.5	*	16.0 41	10.0/	40.8	5:0	*0.		7.0	* 0.0	8.5- 8.5-	9.0	* 00	
			up,	0	12 6.0 8.5	5.	* 0:5	6.5 4.5	15.	6.5	6.5	* 5.5 2.5	ر ا ا ا	* [.S.]	* 0.4	4.0.9	\$.0%	* 5.0 }	3.0			3.0	\$:00	5.0 5	9 0.9		
ndia			۸ ۲ م	4	١, ٧	4	* 4	* C/	7 6	7	00	1 × W	<i>₩ ∞</i>	*	47	7 1/	7	* ~ (7	* ~		90	*0	* //	8	\$ 20	0
i.	<u>0</u>	2, 5	D _u	7	6	00	0	7	11	~	14	6	9		11	8	19/	181	19/			0/	8	00	7	0/	6 10 70
elh	(Mc)		_				_	64		1 45	_	hh	<u> </u>	*	1 Sh	4	53 /	54 1	1 7.5	8-5	× 5 ×	1 /19	8	89			
Station <u>New Delhi, India</u>	ج		De Vem Lem Fam	8.0 15.0 64	8.0 14.5 64	8 9.5 15.5 64	9.0 16.5 66		9.0 16.0 61			4.5.6	555	_	10.5	P.S \$15 5.7	19.0 5	20.05	× 0.1%	* 2.W	* 0.9/	4.0 6	15.0 6 8	15.57 6	9.0130 64	140 64	6 9.0 14.0 64
Ne	Frequency	*	E L	5/ 0	0 14.	5 /5	9/	18.5 18.0	9/	4.0%	8.5 4.0	*0:		* C		7 3	10.5 19	* 5	* 7	* S.8	* 6/	+ 1 S 9		8,5/	0/3	1,	0 14
tion	req	495 ***	۸ /ه	5	8	9.5	12 9.	10.	9		60 t	*5	43.	4.0	* 6.5	25- P.		511/	0.6=	مره ۴	195		10 7.5	00	8	8.0	0
Sta	ш	4.		2		٦ ر	6 1:	5- 1		9		2 10					133	44	16 25		۲٥/	2				0	8
			D _u		9 1				h1 -58	74 22	77 8	77		- La	+	91 76	7/1	97 14		2	41 -5	9 3	9 9	2 10	- 10	0/ -	
1.1			Fai	46 6	46	93	97	94			5 73	73	12/2	- SS-	94		101	_	96	67	- 95	- 99	96	97	0 95	5 95	63
NOISE			De Vam Lam Fam	9.0 14.0	10.0 15.5	16.0	7 11.0 17.0	19.0	7 11.5 17.0	25.50 0.50 05	145 23.0	14.0 19.5	140 19.5	13.0 19.5	12.0 20.0	19 10.56 22.0	19.0	8 11.0 17.0	18.5	11.5 18.0	- 19.5	76.5	15.0	9.0 16.0	9.0 15.0	130	10.0 15.0
2			Vam	9.0	* 0.0/		1/.0	5://	* //.S	* 3	¥ 5.5	* /4.0	140	+ 13.0	70,0	3.6	#//5	#///	9.5	11.5	41.5	4.0	8.5	9.0	9.0	7,5	
0		.160	70	6	7	М	7	10	7	2	15/					19	べ/	0	0		9		7	90	8	٥	7
			۵	n	ارا	7	2	9	17							7	10	11	00		く	=	00	7	1/2	7	7
RAD			Fam Du	111	9//	411	114	114	111	801	001	*	* 0	106	#	17	727	07/	۲۲/	*		#	117	7//	116	116	114
P			Ldm	9.0 14.0	15.0	16.0	10.5 16.0	17.0	17.5	* 2:2/	+ + 16.5 10.5 16.5	12.0 20.0	4	ンギ	\$0.00	11.0 18.0	17.5	0.7/	* 15.55	* 16.0	11.5 19.0	18.0	17.0	16,5	9.0 14.0	/3,0	14,5
70			De Vam Lam	9.0	10.0 15.0	10.0 16.0	70.5	0.//	*	15.4	₹ 10.5	12.0	17.0	17.0 24.5	75	11.0	//. 0	11.0 16.0	7.51 0.01	10.0 16.0	11.5	6 10.5 18.0	11.5 17.0	10.0 16,5	9.0	0.8	4 8.5 MS
贸		17	ď	જ	3	4	4	87	4	7							9	7	11		10	9	5	7	7	7	7
آ		. 051	Du	9	5	12	12	1	4	9							11	<i>></i>	5		5	7	10	9	0/	7	2
\$			Fam	136	136	136	136	134	134	128	**	100	8//	72/	130	136	/36	140	139	140	0 11	138	136	136	/34	136	136
œ				4.0		4.0	40	4.0	4.0		5.0	7.0	72.5	9.0	18.0	6.0	18.0	7.0	17.0 139	7.5	14.5 140	* /3.5	4.0	0.0	0.6	11.0 /36	15.4
0			DX Vdm Ldm	9.0 14.0 136	8.5 14.0	9.0 14.0	9.0 14.0 136	10.0 14.0 /34	4 10.0 14.0	10.0 150	دد/ 0:5/ 0:1/	* /3.0 /7.0	3.0 *	13.0 19.0	* ' ' ' ' ' '	10.5 16.0 136	10.01	11.5 17.0 140	11.5/	90 14.5 140	* 3.6 * 1	*0.	90 140	7,5 12.0 136	8.0 12.0 134	7.57	8.5 12.5 136
Ĭ		~	170	4	2	4 9	3 9	4 7	7 7	3 //	1 /	·*	* .0	*~	* .	ر ا	2 18	7	3 //	* "	*2	×0	7	3	7	7	7
Ė		. 013	Du	7	7	M	2	~	3	7	~	7				9	*	9	9		7	7	~	_	7	m	7
MONTH-HOUR VALUES			Fam D	153	153	15-3	152	52	151	151	. 541	641	841	147	64/	151	1551	-55/	1535	1537	157	15-5/	. 63/		12/	_	_
M	(TS	۱ (۲	noH	00	01 /2	05	03	04	05 /	90	07	80	* 60	* 0	* _	12 /	13	4	15 /3	16 7	17	18	61	ZS/ 0Z	21 /3	22 /53	23 /5/
	-	-		O	J			0	O	O	O	O	O				-1		-					(4)	(1)	EQ.	-

0 0 0

 $F_{\rm om}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper declie to median in db $D_{\cal K}$ = ratio of median to lower declie in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power

Lam = median deviation of average logarithm in db below mean power

RN-13

0 5 0 5 5

		Ldr	* 3	4 7	3	2,5	3	* ~	Sic	* 7.	* 6	* 0	* 3	5%	3,5	4.5	4.5	* 3	3.6	ı
9 62		Vdm	+ 15	*/s/	0./	1,0	1,0	*×/	1.5	* %	* .0./	7.5	* O.	25	0,50	50	2.5	* &`S	25	
6	20	PQ	1	1	~	ĸ	જ	જ	76	0	4		0	0	m	~	7	~	3	
ber	,	Du	~	જ	0	0	0	~	m	7	0/		જ	7	m	1	10	1	3	
Septemb		Fam	15%	250	~5°	-57"	250	75%	77	-57	250	* C	15%	25	74	77	27	29	28	
Sel		Ldm	* 15.5	*0.	4.50	4.5	45.5	é.0	10.5	4.5	· · ·	† 0.	*00	5:0	4/0.5	±2°	2.5	9.0	10.0	,
Month		Vdm	* '\$	+3:	3.0	3.5	*40	47.0	* 0°	*°°°	3.5	6.0	2:5	* 5	6.5	3.0	5.0	6.0	5.0.	
Σ	0	DE	9	2	7	~	8	7	5	9	(,	7	1	7	9	7	y	7	4	

Lat. 35.6N Long. 140.5E

Station Ohira, Japan

MONTH-HOUR VALUES OF RADIO NOISE

			* 8			~	~	* ^)	~				* 6	7	₹.	3	3	1 4	۸	. 3	1+3	٦	ري		· · · ·	•	
		Vdm L	+ 1/2	*\s.	.0	1,0	1,0	+ 15.	7.5	* %	* /.o	7.5	7.0	25	9.0	5%	3.5	* 25	25	2,7	1.5	1.5	1.0	1.0	1,5	1.5	
	20	70	,	-	~	γ	~	જ	76	0	v		0	0	3	~		~	3	γ	4	~	べ	/	0	0	
	2	Du	~	8	0	0	0	~	<u>س</u>	7	01		٧	7	3	1	m	_	m	5	00	7	1	_	ď	へ	
		Fam	158	250	25	-570	25	757	77	75.	250	42	75.	25	27	27	27	29	28	39	77	72	رد	76	25	75%	
			* 5.5	7.0	4:0	4.5	* ج:ک	6.0	± 10.5⁻	* /3.5/	6.0	9.0	\$0.0	5:0	+ 10.5-	*%	* 5 %	9.0		9.0	0.	\$.0	6.0		5.5	*\?	
		Vdm Ldm	* 4	0	**	3.5 4	15	40 6	\$ 0.8	* 10.0/	3.5 6	40.9	* S.	* 2,5	6.5 7	5.0 g	5.0	6.09	5.0.10.0	5:5	5.5	* 0.7	3.0 6		*3.0 *	40 %	
		Dκ	* ~	73.	7		**						4 `~)		6 4	* ک	*~	_			5					2	
	1(na	7	2	2	6 3	. 4	6 5	5 5	7 6	7 5	4 0	10 4	4 8	8			2	4 4	7 7	7 5	7 7	7	6	9 6	7	
		Fam C	40	30		32			38 4	34 ;		8 10	==	38 8	30 8	30 10	34 6	7 8	40		43	43 7	7 7	7. 24	6 74		
		E	10.5" 4	8.0 3	11.0 34	* 10.0/	8.0 31	11.0 36		9.0 3	5 32	\$ C 0.01	0 28		I	8.01		0 38	E.0 4	67		40.	KP 0.11	=		7.0 11.0 42	
		Vdm Ldm	* 9		=		==	* // //	0 11.0		10.5	40.6	0 11.0	5 4.0	6.0 9.5	7.0 10	7.0 10.0	5.5 8.0	\$\docume{s}	0 %	7.5 10.0	7.0 12.0		0.60	65 9.5	*/	
			* S'S	5.0	6.5	6.5.	* *	7.0		* 5.0	30		8.0	7.5	=				ره پر ره چې	*2;				5.0	_	_	
	5	Z _Q	7	9	1	72	و .	3	72	5	7	~	7	7	2	, 6	7	7	7	2	7	8	9	00	7	5	
		n _Q m	00	7	9	7	7	7	7	11	1/	00	0/ 10	00	9/	10	1/2	15	14	3 /0	00	00	6	5	=	2 5	
		Fam	5 55	5.4	5-5	3-8	65	5.6	50	92	10	37	-35	37	35	37	37	5.0 7.5 39	- 45	53	527	69 9	62	69	8.0 12.5 62	2 60	
		Vdm Ldm	15.5	\$ °C		13.0	16.0		16.0	8.0	+ a;	¢ 000	* 0;	- 8.0	4.0 7.5	- 7.5	0.0	7.5	5.5 8.5	7.5 11.5	8.013.5	8.0 13.0	75 11.5	10.0	3	1.5	
			* /0.0	6. * 5.	*00	8.5	* 10.0/	*00	¥ /0.0/	4.5	6 * 0	رة 44	*,0	4.5	4.0	4.5	2.5	5.0		2.5	† ₉	8.6	7.5	0.9		*7.0 1	
	2, 5	₹ _Q	5	00	2	8	8	00	5	6	74	~		γ	8	8	٧	~	7	7	1/	7	8	00	7	9	
(Mc)		Du	6	6	6	6	6	7	6	1	3	7		~	6	6	6	7	16	16	7	10	6	00	1	6	
		Fam	79	7.0 64	64	49	64	63	8/	44	44	42	*3	42	42	8.0 42	+ 15:0 42	42	16.0 44	84	15.	9	79	77	19	79	
Frequency		Vdm Ldm Fam	7.5		8.0 15.0 64	4.5 17.5	18.0	11.0	13.0	13.0	o * ∞	25.0	* 0°	9.0	*	=	=	20 13.0 42	₹ 6.0	8.0 14.0 48	8.0 15.0 56	10,5 19.5	45 4.0 62	8.5 15.0 62	8.5 17.5 61	\$.0 14.0 62	
nbe	5	Vdm	9.5	¥0.0/	8.0	4.5	10.0	€.× .∨.	2.5	3,5	*15	*,9.5	* 5:5	6.5	* 10.0/	250	* 0.3 8:0	20	7.5	\$00	0	10.5	5.6	8.5	8.5	₹00	
Fr	495	7 0	2	9	9	10	13	9	9	7	6		4	7	4	9.	9	4	4	7	6	2	00	9	5	4	
		nα	00	0/	h/	8	6	26	26	22	20		15	30	30	31	31	32	31	'n	٦/	9	6	Ŋ	7	10	
		Fam	93	92	16	93	16	49	63	59	63	*	63	49	63	65	65	63	63	75	200	90	16	62	6	01 16	
		D& Vdm Ldm Fam	10.0 19.0	17.0	9.0 17.0	18.5	4,9,5	19.0	130 19.0	4.0	4	9.0/30	*30	4.5	12.5	* /3.5	11.0 19.0	18.0 63	10.0 19.0	16,5 19.0	9.0 16.0	7.5 15.0	7.5	17.0	16.0 18.0 91	16.57	
		Ndm V	40.01	8.0	9.0	10.0/	4	# # 19.0/	13.0	135	12.5	*0.	13.0 0.00	40.0	8.5	3.6	17.0	\$0.0	10.0	100	9.0	7.5	54/50	9.0	10.0	8.5	
	160	70	9	. 7	9	6	8	00	14	0/	0/	10	00	00	00	7	9	6	7	4	2	6	8	7	9	9	
		Du	2	7	7	00	00	4	19	25	25,	8/	2	19	12	77	74	31	31	200	1/	2	6	6	e	9	
			1/3	1/3	//3	113	113	100	8	87 25	88 25	81 68	87 26	89	12 16	CK 68	87	38	18	93	103	1/0	111	011	//3	1/3	
		wp.	0.6	5'8,	* 113 18:0 113	7.5	18.0	18.0 100	2.8	0.8/	9.5	7,5	9.0	8.0	18.0	5.9		16.0	14.0	0 %	16.0	2.5	7.0		7.55	9.0	4
		Dr Vdm Ldm Fam	A.0 19.0 113	11.0 18.5 113	* *	# # 11.0 17.5 113	11.0	11.5	10.0 18.5	, S.C.	120 19.5	12.5 17.5	12.0 19.0	12.5 18.0	13.0 18.0	5.91 511	11.0 16.5	12.0 16.0 88	0.0	7.67	9.0	10.5 18.5	9.5 17.0 11.1	11.0 18.0	0.0	1.5	1
	051	170	9	72	7	12	9	4	8	2,6/ 0/	10/	8	5	00		7	6	8	9.0 14.0 124 16 12 10.0 14.0 86	10 9.5 140	15	9	9	8	4 10.0 17.5 113	7 11.5 19.0 113	1
		Du	-9	0	9/	00	00	6	14			4	্ৰ	14	_		_	/3	10	15		6	9	و	9	٠	
		Fam	/33			_	134	84,	40	000	30	20	77	72	2	77	no	À	77	23	157	30	_	दू	32	34	
			351	10'	زکا	/ s/	_	0.,	0.9	10.	15.	10	1/5:	1.5	7.0	10.0	15.	5	0,	30/	, b .	5:0/	5.	1.0	7 0.5	15	A.C. A.V.
		파 바	9.0 13.5	10,5/14.0/133	LE 15:51 011	9.5 14.5 132	9.0 13.5	821 0.01 0.11	4.0 13.0 lay 14	105 14.0 120 15	11 06/21/21	11.5 15.0 120 14	# 5/ KS/ 122 12	12.0 14.5 123 14	10 /	12.0 16.0 122.15	46/ SI/ SI	95 155 124 13	11 0	9.0 130 123	9.0 14.0 125 15	10	LE1 2.31 2.01	4.0 14.0 132	0.0	5/ 0.	,
	~	DX Vdm Ldm	* 5	4 10.			9	4	3 9	4 10	3 //	4 11	*4	9	y 621 051 22 14	6/2	11 /	7	6 9	*0;	5 9	4 9.0 15:0 130	5 10	5.	4 10.0 13.0 132 6	6 10.0 15.51 134	
	. 013	D _u	2	7 4	7 4					5- 4		6 4		7 9	2 5	4 (7 9	_	7	9	7 3	5 4	2	2	9	12	1
		Fam D	15.57	155 7	155 7	03 155 8	27 6	156 5	9 851	153 5	153 8		/53	153	153 7	4 55/	155 6	157 5	157 6	156 6	155 7	15-5	157 6	157		7 3	
(10	د (٦		00	01 /5	02 //	3 /5	04 157	05 /5	06 /5	07 75	80	60 /53	10 1	11 1	12 /3	13 /5	14 1/5	15 //	16 /5	17 /5	18 //5	19 1/5	20 18		22 /5-5	23 157	L
12.0	, ,		0	0	0	O	0	O	0	0	0	0			-	-						-	N	2	0	N	

Fam = median value of effective antenna noise in db above ktb

 $D_{ij} = ratio of upper decile to median in db <math display="inline">D_{ijk} = ratio of median to lower decile in db$

 V_{dm}^- median deviation of average voltage in db below mean power Ldm 2 median deviation of average logarithm in db below mean power

RN-13

USCOMB, NBS-BL

8 0 0 0 0 W

40

USCOMB_NES-PL

2	Ö	MONTH-HOUR VALUES OF RADI	+	구 오	<u>r</u>	\$	LU	ES	0	LL	RA	<u>임</u>		NOISE	SE.		Sto	ution	ð	nira	Station Ohira, Japan	ned			at. 3	5.6		Lat. 35.6N Long. 140.5E	4	2.5E	- 4	Month		October	per	<u> </u>	29 61	
(TS.																	-	req	Frequency		(SEC)								ŧ									
اد (٦			. 013					. 051	51				,160				4.	495				2.5					5		-			10				20		
noH	F Gm	n _O	70	DX Vdm Ldm		Fam	no	170	Dr Vam Lam Fam	mp-		Du	70	D Vdm Ldm	dm	Fam D	o no	P/ 1	D2 Vdm Ldm	m Fam	m Du		De Vem Lem	I-dm	Fam	Du	De	Vdm Ldm	- up	Fam	D _u C	D. Vdm Ldm	m Ldm	n Fam	D _C	70	D& Vdm Ldm	mp-
8	154	7	4	11.5 16.0	16.0	/33	4	* 7	120 /85	_	111	٥	~	* *	* 52/	76	9 1	9	9.0 17.0	62	2 2	د	9.0	9.0 12.5	57	7	7	6.0	9.5	38	4 3	* "%	* 5.5	- 25	m	γ	1,5	20
10	154	7	~	8.5 12.5		/33	4	*	12.0 18.0	36.0	111	9	*	* 0.0/	18.0	9/6	6 5		9.0 16.5	5 60	00	ς,	* 2	*6	56	~	M	6.0	3.5	34	7	3.0	-5.5	25-	4	7	75.	3.0
8	DS 154	٦	~	10.0 15.0		/33	w	*	11.0 18.0	8.0	113	~	3	*2	15.0	68	2		7.5 15.5	09 5	0 7	4	2.5	10.0	555	4	m	5.5	9.0	34 1	7	* × ×	× 5.0		7	~	\s\.	3.0
03	(3)	4	ィ	10.0 15.0		/33	9	7	12.0 /	0.61	111	9	9	\$0.0 * /.	15.0	160	10 5		11.0 18.0	090	0 7	00	* 0.2	7.0	555	6	7	7.0 1	¥ 10.0/	33	~	م م م	0.40	25	~	7	1,5	2,0
04	7.5/	7	~	11.0	11.0 15:0 131	/3/	*	7	4.5 15.0		107	و	0	*0.	16.0	83 1	11 4	1 8.5	5- 16.0	5.8	0/	7	* 3	17.0	19	11	্ৰ	8.5 ×	74.5	30	7	70	3,5	750	~	ત	1,5%	3.0
02	75/	'n	ィ	8.5	12.0 127	127	7	5 //	12.5 195		001	0/	7 /	* 0:5/	20.5	7/ 1/	14 10	14.5	5 20.5	5 56	0/ 0	7	7.0	* 11.0	65	7	8	45	* 9.0 \(\).	34	7	* 35.5	* 5.5	77	76	1	1.0	3.0
90	15.0	~	ィ	* 75.	# 0.50	(4)	7	4	11.5 18.0	_	87	9/	10	* 0.8/	9 a.K	11 49		7 8.0	0 /3.0	84 0	0/ 8	4	* 5.5	* 8.5	ES	Ŋ	7	6.0	× 9.	36	7	3.0	3/4 0	- 27	7	~	3.0	4.0
07	641	2	~	4.0%	2,5	115	1	7	12.0 16.5		83	15/	9	18.0 /	17.0 6	159	/3 8	3.0	2:5	44		7	4.0	7.0	45	7	e	* 5.8		36	2	4 4.5	6.0	27	~	۲	-5/	3.0
90	0.51	7	4	10.5 14.0	4.0	117	9	* 0/	19.0 25.0		87	17	00	# 13.0 ×	9 072	1 59	61	7 2.0	0 3.5	44	h h	~	15.	* 6.5	th	7	7	* 0 %	4.0	34	9 9	**	* 0.5	77	7	7	2.5 4.5	4.5
60	150	7	~	* 25.	13.0 //6	116	5	2	12.5 18.0		81 58	_	* 01	15:0 24:0 621	* 0.	~		7.	14.0 175	55 73	3	n	7.5	10.0	14	6	00	* 0.8	*	34	9	*6	7.5	* 6			\$.0	3.0
01	150	0		11.0	15.0	511					85-	0/	4		7	1 19	14 6	4 9.	9.0 12.5	* Z	d		* 6.5	4.0	37				4.1	34		8.0	13.0	127			* 75	4.5
Ξ	150	7	4	11.0	15:5	11.0 15.5 115 14	14	3 /	10.0 14.0		87	/5/	8	* 15.51	27.0 6	1 87	12 6	0.01 9	0 /3.0	44	7	7	6.5	4.0 41	41	10	7	7.0 4	4.5-	32	20	7 35	6.0	127	7	જ	\$0.0	40
12	150	7 0	4	10.0 14.5	_	117	14	7	10.5 15.5	=	87	18	9	* 5.9 6.5 9	9.0 6	1 19	14 6	6 85	0.11	040	9 0	٦	6.0	7.5	39	14	0	8.0 /	10.0	<u>ر</u> لا	/3 6	6 4.5	* 4	7 27	7	7	2.0	4.0
13	150	7 6	~		13,5 18,5 117	117	8	*-	11.0 15.0	5.0	3.8	14	-9	4.5/2	23 65		12 8	8 6.	6.0 16.0	47	p 4	4	* 6.5	9.5	39	01	6	* 5.5 /	10.5	34	7 6	6 2.5	40	ردار	9	7	3.0	4.0
14	15.0	4 0	~	9.5 15.5	=	117	و	* +	7/1.0 15.5		85	15/	9	* 5%	6.5 6	179	14 5	5 40	0.9 0	47	7 4	7	6.5	9.5	39	00	7	8.0 4	* 0.0/	37	3 6	5 30	4 10.0	900	ત	γ	3.0	4.0
15	151	٣ /	~	8.5	8.5 13.5 117	117	7	2	2.41 2.8		2	/3	2	35.	* 5:5	63 /	14 6	6 4.0	2.5	5 42	-9 (4	7	45	7.0	45	00	2		*5,	38	7 4	4		29	ĸ	マ	0.50	4.0
91	(5)	٧	~	8.0	0.51	117	8	2	* 0.9	* 0:0/	80	16	* 0/	* 0.5	15.0 6	67 1	9 61	6.0	0 8.0	0 46	8	7	* 63	S.0 8.0 49	49	٦/	4	7.0 /	10.0/	40	7	4 4.5	5 7.0	129	7	ぺ	2.5	4.0
17	150	7 0	Μ	11 121 0.51 0.8	13.0	1		00	9.0 /3.5		97	1	*/	* 10.01 * 1	14.0 7	1 66	9 41		10.0/	0 50	(3	6	*0°C	*00	53	0/	72	4.5,	7.0	940	9	18 12, 12,	7.5	57	M	~	8.0	4.0
8	751	7	~	15.8	140	8.5 140 125 10	0/	00	10.0 15.0	5.0	-501	00	1	* ?	15.0 8	83 /	13 7		8.0 13.0	h5 0	t1 /	~9	6.0	‡0°	55	01	12	5.5	8.5'	7 7	~	4 \$.0	6.0	27	16	ત	1.5	30
6-	154	7	7	P.S 13.0 127	13.0	(4)	2	3	10.5 15.5		105	2	9	t 0.0/	16.0 8	8 18	8 7		7.0 13.0	0 56	m	14	5:0	5.0 8.0	65	7	3	80 13.0°		90	2	2,0	0.0	027	_	~	0.0	3.0
20	15.21	7	જ	10.0 1555 131	15.5	131	7	2	5.61 0.6		601	9	9	12.0 /	17.0 8	87 6	6		7.0 12.0	53 0	6 6	\sim	*** 5.51	6.5 70.0 6	64	7	2	6.51	* 0:5	40	7	*3;	0.5.0	27	76	γ	7.57	35
21	র	1	m	9.0	9.0 14.0 131		7	5	5- 120 185	=	1	2	2	* 5.	15:0	Z C	9	4 6.	6.0 11.0	0 58	0	m	9.9	6.0 10.5	67	2	3	\$0.0 . \ . \	135	40	۳ د	×,2;	0.9	25	7	0	1.57	3.0
22	757	#	~	3 7.5 11.0 133	0.//		7	5	E11 271 011	7.5	\rightarrow	12	9	11.5 19.0		4 16	4	6/3	12.0 19.0	000	00	7	*0.9	6.0 10.0	5	/3	7	6.0 10.0		40	200	4 45	7.0	کر	1	0	1.5	30
. 23	154	7	4	0.0/	10.0 14.5 133	/33	*	72	100 16.0	6.0	1/3	5	7	10.0 17.0		16	7 4		9.0 18.0	09 0	0	9	*15.	*°.	57	2	7	6,2	8.0	38	3	× × 0	5.9	- 25	8	٦	1.57	3.0
	Fam	Fam = median value of effective antenna noise in db above ktb	an va	lue of	effec	tive a	ntenna	a nois	e in e	ib abc	We ki	٩																										

 r_{am} = median value of effective antenna noise in do above kith D_{u} = ratio of upper declie to median in db $D_{\mathcal{R}}$ = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

		Ldm	2,5	3,0	3.0	2.5	3.0	3.5	<i>€</i> ,	4.0	4.0		× 5:0	4.0	4.0	4.5	3.0	4,5	3.0	3.0	3.0	3,5	ار 4×	3.0	3.0	2.5	
		Mp/	0.7	7.0	0.7	0 7	1.5	1.5	ي. 8.6	0.4	* 2.0		\$. \$. \$.	15.00	0.7	3.0	1.0	30	1.0	7.5	2.0	0.0	* 20,0	1.5	1.5	1.0	
	2.0	7 _Q	0	0	0	0	0	0	-	0	0		γ	0	0	0	8	ત	٥	0	0	4	0	0	0	0	
		Da	0	0	0	0	0	ત	ィ	7	4		7	4	4	76	0	0	٦	જ	0	0	7	ィ	_	7	
		Fam	24	7.	74	71	44	77	70	26	26	26	78	76	36	36	36	30	26	970	76	70	74	he	44	77	
		L'dm	6.0	5.0	4.0	5.0		4.0	6.5	0	4.07		9.5	4.51	* 7.0	15.9	6.51	5,0	* الا	45	45	پري اه	رح: ک:ک	k.0	5,0	x 0 97	
		Vdm t	* 6	3.0	2.5	0.0	A.0 35	4.0.4	4.0 %	*3	7.5%		£,5	* &	*%	40 6	* 2. 'S.	* .°.	*4	* %	3,5,	*18	*×	* C.	3.0	150	
	10	DE	ζ,	~	7	٠,	0	~	7	γ	7	7	9	**	ω, * . 0	~	* ·	7	2	~	9	12	5	7	15	4	
		D _u	2	7	9	7	76	1	3	9	4	9	ή	2	2	7	10	9	4	12	∞	9	0	7	7	5	
		Fam	34	× %	32	2	30	32	36	36	38	34	34	30	30	75	36	38	40	39	40	1/	38	36	35	34	
			* /0.5	* 0.0	10.0			4.0			9.0°	v.1/	11.5	* S.S.	*0,	* 0°	* °.	5'9	14.0	* 6 0.0	×10	7.5	4.0	4.0	9.0	9.0	
		Vdm Ldm		7.0.			(° +	8.0		\$.00	7.0	×0.	158	5.0 8		* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6.0	9 07	* 0.8	4.0.9	*\ \\\\	*5	10 to 10 10 10 10 10 10 10 10 10 10 10 10 10	0 /	اج: ح	3:5	
	10	70	2 4	*.	3 4	* _	e*	2	7	€.* V	7	*4	/ 1	* 5	w)	* ~ ~	w * 9	2 4	* ·	2	2	7	2	6 +	7	2	
	۵,	D _u	4	ų	7	7	7	00	6	10	11	9	0/	9	12	00	0	00	7	4	9	2	5	8	13	00	
		Fam	57	27	56	59	65	63	28	43	1 /	39	35	39	37	37	39	11	59	2	19	10	65-	65	5-3	53	
			9.0	* 0.0/	10.0/	10.0	12.0	17.0	٥,	90 6	75.6	0.01	\$ 0.0	0.0/	11.0	9.5	* 00.5	9.0	9.0	* 0/ /\s\.0/	2.0	11.5	_	15:0 6	× /0.0/	11.0 5	
		Vdm Ldm	6.0 9	* 0.9	9	* 0.2	7.0 %	* 15.9	3.5	*0.9	5	6.0 /1	* 5:5	7.0 11	8.0 /	6.0 9	* 20	6.0 9	الا الا	7.57	* ° ° ′	8.0 //	45 8.5	* 0.8	* 6.0 /*	7.0 %	
	ιc	De V	7 +	+ 9	1,*	er e	9	e*	* 6	* ~	e-*	7	*2	0	0	7	* ~	4 6	15 (2) 15. A. A.	7.	*1/	7	6 4	* 5	1 ×	*1/	
(<u>C</u>)	2	Du	14	۲/	7	0/	00	- 1	6	00	6	~		4	7	5	7	9	15	0/	00	6	2	8	00	0	
(Mc)		Fam t	28	28	85	2.6	20	56 1	50	44	th	71.1	407	40	40	3	7	44	46	164	G	54	376	5-6	26	2.6	
cy			140	16.0 3	15.0	15.5	19.0	11.5	ک	9.0	2.5 4	7	7.0 *	5:0 4	40	9.5- 4	7.0 4	11.0	/3.0 (12.0 4	2.5	125 3	. 0.//			<u>رال کرا</u>	
luer		Vdm Ldm	7.5 14	9.0 11	7.5 /	8.0 15	9.5 19	7.5 11		6.5 9	1.0 %		4.5 7	12.6	3.0 4	7.0 9	4.5 7	8.0 11	9:0	15:8	7.5 %	8.0 /	7.0 /	7.0 11.0	10.0 17.5	9.0 14.5	
Frequency	495	De v	6 7.	8	4	5 8	7	6 7	7	9 8	7		7	ر ح	4 3	7	7 9	9	7 9	0/	6 7	00	7	6 7	5- 1	9	
	4	Du	do		,	8	6	14	11	11	15		00	, 01	9	6	7	14	۲/	7	00	9	7	5	9	7	
		Fam	28	84	98	48	80	1 49	5.8	64	58	* S-S	28	1 65	58	5-8	09	100	199	76	18	2	2	48	48	2	
		Im F	14.0	12.0	77.0 8	17.5	17.0 1	11.0 6	10.0	8.5 6	* 00	* 0	4.5 5	6.0	* 6.5-	8,5-8	* × 6.5-	6.0 6	8.0	* &		10.5		13.0	14.0 8	15.5- 86	
		DZ Vdm Ldm	* * * 8.5 /4	8.0 12	* 1.5.8	\$.5- X	4 2.6	4 0.6	7.0 10	* × ×	* 2:5	* o. * * ~	12	3.5 6	* 0%	*00	4.5 4	۵	* 0.0	* 2.8	7.5 11.5	2.0 10	8.0 12.0	* 5.8 *	9.0 14	10.01	
	160	7 1	*00		0 *	46	40.	10.	6. *	* 2			+3			* 2		× 4	التاريخ	e d	1 * 1	5	7	1 × C	9 9	_	
		Du	7	12	7	7 5	7 5		/3	25		3 4	15- 4	4 41	. H	12	6	- 1/	8 //	0/	7	00	h	5	9	1	
-		Fam D	601	1		107	401	45 14	83 1	8/ 3	1 18	1 18	18	1 18	83 /	1 18	18	1 78	83	91	7	86				_	
	-	E E	/ /S:S/	18.0 /	+ 15:0 /	==		17.5- 9		8.0 8	*0.	20.7			10.0 8	* 0.6 8	=	*0.9	=	10.0	11.5 97	9 0.11	7.5 13.0 103	PS 13.5 104	9.0 15.0 105	10.0 16.0 107	
		Dr Vdm Ldm		* 0°.	*0,		7/ 5.01 *	* 5.11	* + + 10.0 / 5.0	* 2.2. A	*0.	* 2. x 7. x 7. x 7. x 7. x 7. x 7. x 7. x			7.0 10	* 0.0 * 0.0	6.0 8.5	40 4.	5.0 7.0	7.5 10	7.5 11	7.0 11.	5/3	5/3	0 13	2/ 0:	
	051	% × 70	* %	*3	400	30.	4 10	* 7	* 5	* 4			w *∞	10.	7		ر. د	マ イ	2 5.	*1.	4 7.	4 7	7 7	2	2	7	
	· C	70	9	7		, gJ	3 6	6	5	4 1	2	7		2	00	7 2	00	00	/2	0/	, 9	3	4	4	4		
		Fam D	1	129	127				117 5	111	11 601	111	\vdash				_		1091	1 211	_	56/			127	27 4	
			1			5//5	8.0 12.0 129	8.0 12.0 125	1		1/2		11/0.2/06	6.5 13.0 113	9.0 130 113	1 0	8.0 12.5 1/1	8.0 /3.0 /11	10.0/	1//2	* ///S///	11.0	6.5 10.5 125	95/40 126		1 75-10.5 127	
		Vdm Ldm		*0.	*0.	2.01 0	6/2	0	8.0 11.5	6.5 10.0	8.0 11.5	5 /30	*2	5/3	0 13	8.0 13.0	0 /2	6/3		6.5 9.5	* 0.8	7.5 11.	5/0	5/4	7.5 11.5	100	
		2	2 7.0			1 7.0	w	8	3	e*	-	3 9.5		م م	3	2	2 6	7	0.9	4 6.		2 75	2 6.	*0.	2 7.	1 75	
	013	↓ —		-									-	2	-	-				7	0 2	==	7	7	٦,	3 ,	
		Fam Du	2	7				_	5	_	L	200			4 6	7.5		151	8	_	_	٦/ مح			15-1		
110	''''	NUOH rg	15/0	01 /5/	02 /5/	03 /5-/	04 /53	05 /51	06 /5/	07 149	94/ 80	64/ 60	10 449	bh/ 11	12 149	13 /5/	14 15-1	5/ 5	bh/ 91	17 /49	18 /5-/	19 /5/	20 /5-/	15/	22 /5	23 /5-/	
(13)) '		8	0	0	0	0	Ö	O	0	Õ	O	LΞ	_	=		_		Ē		Ĩ	Ě	N	2	N	N	

Month November 19_62

Station Ohira, Japan Lat, 35.6N Long. 140.5E

MONTH-HOUR VALUES OF RADIO NOISE

 F_{qm} = median value of effective antenna noise in db above ktb D_{u} = rotio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

19.62			Vdm Ldm																								
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Lat. 25.85 Long. 28.3E.												-											,				f
-ong			Vdm Ldm																								l
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rica			Vdm																								
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tori			Fam	19	63	79	63	77	09	25	50	\$50	50	5-0	50	84	47	34	86	84	S	25	29	49	99	49	
Station Pretoria, S. Africa	Frequency		DC Vdm Ldm																								
atio	Fred	495) Za	3	9	9	8	9	11	7	4		4	~	~	3	7	~	~	7	9	/3	7	9	9	9	+
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- 10			Vdm																								
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民			Ldm																								
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MONTH-HOUR VALUES OF		013	_	ィ	4	4	4	4	h	4	7	7	7	7	~	7	2	12	5	4	ィ	ત	જ	~	7	٦	
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 $F_{\rm om}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voitage in db below mean power $L_{\rm dm}$ = median deviation of overage logarithm in db below mean power

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Station Pretoria, S. Africa	nc S		Ldm																								
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ĬŢ.	Ī		De Vam Lam Fam																								
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MONTH-HOUR VALUES OF RADIO			Fam Du	75/ 00	9 78/ 10			04 /36	98/ 90	06 /32	07 /32	78/ 80	132	132	134	12 /36	140	14 142	15 142	16 144	7/1/21	7/1 81	19 142	20 MZ	21 140	22 138	23 139

Fam = median value of effective antenna noise in db above ktb

 $D_{\rm U}$ = ratio of upper decile to median in db $D_{\mathcal L}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

US COMPANIES - PL

	9	F	H	MONTH-HOUR VALUES OF	0	M	-UE	S	F	RAD	000		NOISE	1.1	0)	Station Pretoria, S. Africa	Pret	oria	S	Afr	ica	La.	25.	88	Lat. 25.85 Long. 28.3E	J. 28	E		Month November	ام الآ	ver	ber	6	62
(TS	400															Freq	Frequency		(Mc)															
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ő	03 139	6 7	જ		/3	137 7) 6			115	7 9	6		100	2	13		11	00	6		9	8 1	~			38	6 5	15		30	e	9	
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<u>"</u>	13 147	7 5	4		1/	146 8	8			121 21	=	11		0 0/	16	16 24		19	20	16		55	33	~			46	0/	8		30	1	2	
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<u>42</u>	15 149	9 61	7		~	147 6	8 9			12517		/3		106	15	べて		69	20	4		7	39 16	5			50	10	7		34	9	15/	
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Ψ]	18 147	2 8	~		14	147	8			2	75/	00		102	1)	14		75	18	0/		-9	8	~			27	5	7		32	00	//	
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	Fam	= mec	dian v	Fam = median value of effective antenna noise in db above ktb	ffectiv	/e ant	enna no	olse in	db db	y eve	۽																							

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{X}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power Ldm = median deviation of average logarithm in db below mean power

Month September 19 62

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MONTH-HOUR VALUES OF RADIO NOISE

		Vdm Ldn																								
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	10		15	19	20	7	1	18	13	16	19		6	9/	11	75/	/3	14	10	11	10	1	10	7	1	13
		n Du	6 -	1/1	3 12	د/ ا	7	10	9	3 4	7		9	00	- 7	0	10	9	0	8	14	5 6	00	0)	10	//3
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		Vdm Ldm																								
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		Du L	00	14	6	0	7	্	-9	٦,	0/		9	2	13	1	/3	41 14	47 12	/0	7	00	0	7	10	10
		Fam	63	57	57	57	57	ς	53	45	37	₹£	65	27	29	3	39	4)	47	45	53	33	19	3.9	5.7	8-5
		Ldm																								
		Ndm																								
	2.5	Z _Q	17	11	81	1/	000	10	7	//	00			10	10	6	6	0	10	/3	15	1/	17	11	16	13
(Mc)		Du	9	6	7	h	00	2	و	7	۲/			1	000	1/	9	10	61	15,		0/	2	1	10	00
		Fam	-59	17	77	69	63	65,	57	64	14	45,	39	1/	11	42	hh	44	47	5.5	19	69	16	69	67	65
enc		Ldm																								
Frequency		/dm																								
Fr	495	₽ _Q	10	10	17	14	16	٦/	10	7	00		10	10	14	/3	70/	24	26	20	14	۲/	رم/	00	ح/	10
	•	חת	ро	00	0/	00	S	18	7	6	10		7	61	74	30	26	25	83 26	50 18	81 68	93 18	14	7	9	6
		Fam	6	16	60	87	85	72	63	55	55	.3	* 2	65	67	12	65	83	83	18	87	93	95	9,	16	16
		Ldm																								
		mp7 MpA 70																								
	160	7 0	10	6	00	8	9	6	00	7	9		16	15	17	11	31	34	22	ير	/A	14	17	/2	10	1,2
		ηQ	11	6	2	5	11	11	8	00	4		7	6	72	14	10	12	LO3 22	19	14	77	9	6	10	10
		Fam	114	116	117	115	115	103 11	91	86	85	*20	91	93	66	101	113	113	103	801	111	115	117	117	115	113
		Ldm																								
		mp7 Ndm Ldm																								
	051		/3	16	14	77	10	6	9	4			9	10	81	10		ah	6	7	10	81	14	0/	11	12
	•	Da	0	2	7	00	10	5	S	7/			00	10	4	9		7	11	14	6	00	00	9	5	130 12 16
		Fam	133	/33	132	/30	129	127	रर/	116	* //	*======================================	114	118	he/	126	128	132 12	129	131 14	737	136	134	134	/33	130
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		T am	941 00	146	02 147	03 145 10	04 143	143	143 13	07 43 12	137	14/	* /39	143	01 141	143	14 145 10	143 14 14	641	17 146 12	145	145	145 10	145	22 147	23 146
(TS	۱ (۲	noH	8	ō	8	03	04	90	90	07	80	60	0	-	12	13	14	15	91	17	8	61	20	21 145	22	23

 F_{om} = median value of effective antenna noise in db above ktb D_{D} = ratio of upper decile to median in db D_{Δ} = ratio of median to lower decile in db V_{dm}^{\pm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

2			Vdm Ldm	3.0	3.0	3.5	13.5	3.5	3.5	5.0	5,0	5:5	3,5 5.5	× 1′	2.0	4.0 6.5	0.6	4.0 7.0	0 %	7.0	2.0	2.9	15 14 15	2.0	6.0	6.0	4.5
19_62			\ \ \ \	1.5	0.0	2.0	\$.0	2.0	2.0	3.0	3.0	4.0		* 15:5	5:0		5.0	4.0	4.0	4.0	4.0	3.5	**	4.0	3.0	3.0	3,0
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Tune			Fam	2	23	23	23	73	23	2	52	25	25	2	75	150	27	27	29	29	49	3	3/	~	29	77	25,
•			De Vam Lam Fam	2.0	75	3.5	7.0	5.0	2.0	8.5	0.//	*	15.0	* * /0.0 /6.0	15:57	9.5 15:0 25	14.0	13.0	10.5	9.0	8.0	8.0	2.0	8:0	20	7.0	2.0
Month			Vdm	5.0	4.5	5.5	*50	3.5	So	0.0	8.0 11.0	*9.0	9.0	40.0/	9.5	9.5	2.6	7.0	6.5	0.9	5.0	4.5	40	45	4.0	40	4.0
Σ		9	DZ	5	9	P	4	9	~	7	7	4	00	7	7	7	7	e	~	~	~	ત	~	ત	べ	~	7
Marian			Du	٦	4	6	7	151	1,2	7	7	2	۲/	7	14	14	10	00	5	~	べ	7	~	4	Μ	4	2
13.8			Fam	45-	43	1 4	37	37	36	3	43	39	37	37	37	37	39	11	44	47	49	64	2.0	49	49	8 4	47
Long. 103.8W			Vdm Ldm Fam	10.5	9.0	8.0	7.5.	* 75	9,5	12.0	16.0	16.0	*/7.0	17.0	14.0		16.5	155/	5.0	14,5	12.0	0.01	10.0	9.0	9.0	9.5	10.0
ouo,			/dm	2.0	5.0	5.0	4.5	*.º.	6,0	7.5	10.0	11.0	4.5	1/0//	* /0.0/	10.0 15:0	70.0 /6.5	9.0 155	8.0 15.0	8.0 14.5	6.5	6.0	6.0	5:0	5.0	5.5	5.5
		Ŋ	70	d	ત	2	ィ	4	9	2	00	00	. 0/	4	6	8	10/	00	7	4	3	7	4	~	~	4	0
E -			Du	7	7	7	*	2	4	4	2	7	14	7	44	20	۲۲	16	0/	0	~	ત	6	~	6	7	7
Lat, 11.3N			Fam	57	57	57	5.5	555	Q	15,	15	the the	14	37	36	37	14	43	49	53	47	19	63	65	6-5	57	23
ĭ					5.11		12.0	125	13.5	150	_	*	*/8.0	* 16.5	15:0	10.5	13.0	==	¥ /9.0	=	14,0	13.0			0.//	0.4	7.0 12.0 57
a ya			Dr Vdm Ldm	6.5 115	7.0 /	6.0 11.5	2.0	0.0	8.0 13.5	0.0	10,5 17.0	* (11.0/	11.0	40.5°	7.5	\$5.	4 17.0	10.5	8.5 16.0	8.0	7.0 1	7.0 14.0	7.5- 12.5	6.0	7.0%	7.0 /
Mal		5	De	7	و	W	و	و	17	00	7	/8/	4	1	9	0/	10	0/	0	2	9	2	7	7	15	m	7
9	(Mc)	2	Du	4	7	2	~	n	7	5	00	/3	20	30	39	36	34	20	2٤	77	//	5	5	7	7	15	8
rodi	8		Fam	65-	67	-59	67	67	151	5-6	5	87	_	39	1		39	_	64		50	65	67	67	65	64	65
Station Singapore, Malaya	ည	===	De Vam Lam Fam	14.0	/5.5/	5.0	18.5	9.0	20 13.0 22.0 65	_	_		13,0 23.5 39	13.0 25.0 39	0.55	16.5 28.0 38	75.5	EH SIE 011	17.0	13.024.054		1575/	g:S	14.0	140	160	6.0
다 정	Frequency		lmb/	7.0 /	8.5	8.0 15.0	10.01	10.5 19.0	3.0	13.5 27.0	13.0 22.0		3,0	3,0	סיבה ביהו	16.5	14.0 DS.S	11.0	9.5 21.0	3.0	10.0 21.5	8,5	8.0 15.0	7.5-1	7.57	8.5	8.5- 16.0
atio	Fre	545	70	2	4	4	9	~	0/	7	10/								15	1	16	7	12	7	و	2	7
Ŋ			٥	00	00	e	9	00	0	18	74								17	0	7	17	14	6	9	2	2
			Fam	95-	95	95.	95-	93	85	75	75'	*°	32	63	77	72	84	sort Sort	63	67	97	95-	96	75	95	95	95-
NOISE			*up-	4.5	14.0	_	7.5	=	1,5,1			0	==	=		27.5	=		23.5							752/	10.0 17.0 95
Ö			D& Vdm Ldm	8.0 14.5	8.0	8.5 16.0	10.0	10.5 19.0	11.0 21.5	14.0 24.0	15.0 25.0	145 26.0	15.0 240	16.0 25.0		16.0 275	13.0 240		/3.0		12.0 21.0	11.0 18.0	9.5 17.0	9.0 16.0	9.0 15.5	8.5 /	0.0
0		160) Za	7	•	2	4	9	7	7	10	10/	8			0/	8		7	0/	1	00	2	5	9	5	8
			Da	4	١٧	7	9	7	2		7	30	% ~			34	18		5	1	/3	11	~	12	9	4	2
RA				22	(2)	10	120	92/	110	111 14			ho/	101	109		9//	4/0	97		1/6	120	47	20	120	120	90
Į <u>L</u>			*#5	16.5					8.5	9.0	20.5	0.40	35.0	4.0	21.5	80/ 0.50 05/		0.0	0.0%	2/.0	0.0	19.5	9.5	815	8.0	_	16.0
0			/up/	KEY 15.5/ 122	9.5 14.5	9.5 15.0	9.5 16.0	10.0 17.0	12.0 18.5 116	12.0 19.0	13.5 20.5 116	145 24.0 106	15:0 25:0 104 28	15.5 24.0 \$701	13,5 21,5 709	15.0		01/ 0.cc 2.E/	11.0 000 0.11	125 21.0 120	12.5 220 116 13	12.0 195 120	KK1 2.81 2.61	11.0 18.5 120	00/ 0.8/ 0.11	10.5 16.5	4 10.0 16.0 120
ES		051	Dr Vam Lam Fam	4	4	4	د	9	7	9	7								e	7	6	7	9	,	2	2	3
				2	8	*	*	5	7	00	/3								0/	~	5	10	4	12	7	2	7
\$			Fam	139	139	139	141	139	139	133	الالا/	13/	* /3/	+/31	133	f33	132	136		11.5 18.0 140 12	140		39		137	137	9.5 14.5 139 4
œ			* £	2.0	4.0		5:5		6.0		18.5	0.6/	8.0		0.00	21.0	19.0	9.5	20.0	0.8	18.5	9.0	5:5	, s-	6.0	14.0	4.5
9			*#8	7.0 12.0 139	8.5 14.0	9.0 15.0	10.0 15.5	11.0 17.0	4 10.0 16.0 139	11.0 17.0	LEV 18:5 132	12.0 19.0 131	12.0 18.0 131	125 19.5	14.0 20.0 133	4 14.0 21.0 \$ 133	12.0 19.0 132	120 195 136	12.0 20.0 139	1.5	11.5 18.5	13.0 19.0 139	10.0 15.5 139	6 11.0 16.5 140	10.5 16.0 137	9.5- 14.0 137	9.5-
Ŧ		013	Dr Vam Lam Fam Du	7	4	7	~	4	4	9	2	5				7			7	5	7	7	3	9	4	7	4
MONTH-HOUR VALUES OF RAD		0	ρΩ	0	00	e	8	00	7	7	•	6				11			4	e	9	00	7	٦	12	ત	4
NO			Tam ma	851	158	15-8	85,	851	09/	160	158	157	157	157	85/	8.51	¥ 79/	162	79		162	160	651	160	15-6	15.0	23 158
Ž	(TS	ا (٦	noH	00	10	05	03/	04	02 // 0	90	07	80	60	0	=	12	13	14	15	16 164	17	18	61	20	21	22 /	23

 F_{Qm} = median value of effective antenna noise in db above ktb D_U = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

1962
Month July
Laf.1.3N_ Long. 103.8E
Station Singapore, Malaya_
NOISE
OF RADIO
VALUES
IONTH-HOUR

		투	4.0	3.5	3.5	4.	3.5	35,	7,	4.0	2.5	5:0	*14	7.0	7.0	6.0	5.9	5.5	7.0	8.0	5.9	5,0	5.0	5.0	45	7
		Mp/	2.5	2.0	7.5	۵.۶	D.0	2.0	5.5	2.0	3,0	3.5	*~;	* 3;	5.0	5%	45	3,0	4.0	So	4.0	3.5	3.0	3.5	35	15.4
	20	70	0	ત	শ	0	4	~	۲	ぺ	へ	~	0	ィ	~	4	4	ત	4	ィ	7	ત	0	ત	0	0
		Du	γ	ィ	4	ત	m	8	べ	r	11	76	15	6	4	7	9	6	જ	べ	9	Μ	જ	4	જ	~
		Fam	23	2	23	23	23	23	2	23	23	23	1	23	23	2	25	75%	27	27	47	27	128	25	3	23
		Ep	5/8	9.0	6.5	5.0	5.5	7.0	8.0	10.5	* /3.0	13.0	* /3.5	14.0	13.5	15.0		13.0	sis.	8.0	8.0	8.0	25.8	8.0	0.0/	9.5
		Vdm Ldm	6.0	5.5	5:5	3,5	3.5,	5.0	5.0	6.0	4.0 %	15.8	* 5.5 x	50.	9.01	9.5	10.0 16.0	* 2.9	****	45	5.0	5,0	2:5	0:5	53	2:5
	2	DE	5 6	9	6	7	و	7	گ ر	4	7 9	7	300	*5	5 6	5- 1	6	* 15	*7	1 4	4	رم	3	4	9	3
		Du	15	6	',	3	0	14	17	11	7	0/	6	16	14	10	01	14	٦/	20	7	5	7	M	7	1/2
		Fam	NS	43	4)	38	36	38	42	43	40	37	36	37	35	37	40	43	hh	45	20	17	8 1	84	49	12
			9.0	8.5	9.5	8.0	8.0	10.5	13.0	15.0	16.0	* 17.0	14.5	13.0	16.0	15:0	14.0	* 15:51	/3.0 /	11.0	9.5	40.	11.0	9.5	9.5	5
		Vdm Ldm	0	0.9	5.0	4,5	5.5	6.5 1	7.5	9.0	4.0%	* 0 //	1 5%	* 0.0	10.5	* 0.01	9.0	45.	7.0 /	6.0	Sis	* 5,0	_	 \sis	6.0	6.5
		DA	7 6.	0/	00	00	0	9	9	2	10 4	* 0/	8	· *	9	*	* 5	* 0/	,	て	5	*.)	2	9	4	7
	5	Du	4	3	7	5	2	00	15	~	9	10	17	/3	h/	15/	7	6	17	2	5	~	7	4	*	~
		Fam	2.5	09	2-6	7.5	3.6	S,	5-6	54	34	4	34	34	36	37	04	47	مي	24	09	7	9	09	8-8	8.5
			_		0.0	12.0	14.0	13.0	15.0	14.0	20.0	*	12.5	* /2.5,	16.0	7.5	* \delta	4.0	140	13.0	12.5	0'//	ŝ	13.0	0.//	11.57
		De Vem Lem	6.5 110	6.0 10.0	6.0	20	7.0	8.0	9.0	7.5	11.5	2.6	17.0	*00	9.0	9.5	8.0	* 0//	8.0 /	6.5	6.5	6.0	7.0%	7.0 /	6.5	6.5
	2.5	De V	5	و۔	9	7	7	e	00	8	8	3	4	7	7	00	ا ک	74	1	/3	8	و	0	7	7	3
(Mc)	2	Du	12	3	9	9	e	I	9	9	/3	4	26	30	38	30	36	7	8/	10/	0	7	m	ィ	~	2
5		Fam	63	65	657	-59	65	65	53	24	47	37	29	29	32	35	35	45	15	29	19	67	62	67	65	63
ncy		De Vem Lem Fam	0.2/	19.0	19.0	=	17.0	\$6.0	* 77.5-	19.0	30.0	74.0	26.5			* 26.0			-	9.0 /7.0	0.9/	14.5	2.5- 145 6			
Frequency		wp,	8.5	9.5	9.5	10.0 17.0	0.0/	16.0	1.0 //	13.0	19.0	*	16.5		140220	6.51	13.5 230	12.0 23.0	0.15 2.01	30	7.5 16.0	7.0 /	15.	9.5 17.0	9.5 16.5	8.5 15.0
Fre	545	70	0	00	2	7	9	0/	10	00	/3	15	2	17	0	11	0/	15	1	13.	00	00	15	2	2	7
1	•	Du	7	4	7	4	ام	1	25	77	28	31	43	38	29	78	75	24	6/	00/	00	12	5	7	7	~
		mo m	26	96	96	96	46	88	38	82	76	72	19	11	7	28	18	63	85	62	3	36	36	36	26	30
			145	* /6.0	17.5	16.0	15.5	*	10.5	240	25.0	** **	4/5.0	# 13.0	* 23.0	19.5	22.0	٥٠/٦	× 0.04			17.0	9.5 17.0	17.0	75.9	16.0
	0	De Vem Lem	9.0	15.	9.5	0.0/	0.6	40.0/	6.0	40/4/	15.0	*5.6	95	7.5.	145	11.0	11.5 22.0	12.0 21.0	11.0	205 211	90 170	10.0	2.5	95	9.5-16.5	9.0
	.160	70	2	2	2	9	~	10	16	15	8/	/5_]	14	~	14	16	0/	00	2	10	0	2	7	4	00	6
		Du	7	7	h	15	7	1,5	0/	77	14	20	38	33	20	18	~	14	15	0	0	9	9	2	9	*
		Fam	001	120	120	120	92/	118	114	7//	1/2	hol	96 28	86	104	8 0/	108	1/2	111	114	2/1	311	110	811	311	30
				8.5 14.0 120	$\overline{}$	9.5 15.0 120	17.0	19.5	18.5	* 22.5	‡ 26.0	* 28.0	* 025	25.0	23.5	18.0	19.0	19.0	18.5	22,5	0.05	19.0	17.0	16.0	17.0	14.0 120
		De Vem Lem	9.5 14.0	6.5	8.0 13.5	9.5	10.0 17.0 120	12.0 19.5	11.0 18.5 114	17/ Sick 5/h1	E// 0.26.0.1/	18.0 28.0	16.0 250	15.0 25.0	14.5 23.5 104 20	11.0 18.0 108	11.5 19.0 108	11.0 19.0 112 14	11.0 18.5 111	411 25 25 2.51	111 0.06 2.11	11.0 19.0	10.0 17.0 118	9.0 16.0 118	10.017.0 118	8.5
	051	70	Ç	٦	9	9	7	4	8	10	15	11	9	6	8	9	4	11	0/	~	00	9	9	7	ď	7
	-	2	6	2-	7	~	9	9	00	9	14	9/	13	/3	/3	16	14	7	0	6	e	2	7	4	9	9
		Fam.	137	139	139	139	/37	137	133	133	131	131	125	128	129	129	130	136	137	K	/35-	137	137	/35	135	137
		Ep	3,0	10.0 15.0 139	9.5 15.0 139	9.0 14.0 139	10.0 150 137	13.5 137	10.0 16.0 133	4 11.0 180 133	13.5 20.5 /31 14	19.0	13.0 20.0 125	13.0 20.0 128	12.0 18.5 12.9 13	12.0 18.0 129	11.0 175 130 14	15.0	14.0	9.5 15.0 132	9.0 14.5 135-	10.0 15.0 /37	10.0 155 137	95/45 135	9.5/4.0 135	9.0 13.5 137
		Vdm Ldm	9.0 13.0	0.0/	9.5	9.0	0.0/	9.0	0.0/	1.0 //	13.5	14.5 19.0	3.0	3.0 0	12.0	12.0	, o ./	9.0	9.0 14.0	9.5-	9.0	0.0	0.0	9.5	9.5	9.0
	013	صنانات ا	4	5	2	4	5	9	7	7	4	1	7	9	9	5	7	4	7	7	m	7	7	3	7	7
		20	*	ત	ď	_	4	7	べ	7	2	2	9	9	7	5	3	4	4	4	7	4	9	3	#	4
		F.	15-6	851	158	851	8-51	851	851	15.6	15%	154	757	154	15%	15/	8-51	15-8	160	8_51	15.6	8-51	15-6	15-6	15-6	156
U	ST) 4	-	8	ō	8	03	04	02	90	07	80	60	0		12	13	14	15	16	17	8	6	20	21	22	23

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\mathcal L}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

2			₩P¬₩P^	2.0 4.0	0.6	2.5 4.5	5.0	0.4	40	5.0	0.6	0.70	2.6	5.0	2.5	7.0		7.0	7.0	4.0 6.5	6.0	6.0	0 6.0	6.9	- 45	0.40	40	
19_62		0	\di	~	۵, ۲	3	2.5	12:5	8,0	3.5	4.0	۵.۶	5.5	3.0	3.5	4.0	4,0	45	4.0	4.	3.0	35,	4.0	3.0	2.5	S. 0	2,0	
		20	70	0	0	٨	٧	ત	~	~	~	76	0	0	ત	m	5	7	~	77)	0	4	্ব	જ	જ	0	0	
181			Da	1	-	0	~	~	_	0	ヾ	イ	~	00	00	7	4	100	7	7	イ	7	ν,	જ	7	~	4	
August			Fam	کرکہ	44	7	44	24	46	74	7.0 10.0 24	77	S.0 (2.0)	べて	44	25	8	24	36	6.0 10.0 27	26	76	28	28	90	74	44	
			wp-1	6.5	2.0	7.0	7.5	5.0	45	8,5	10.0	9.0 13.5	0.61	9.0/3.0	11.0 13.0		10.0 16.5	0.11	12.5	10.0	8.5	7.5	8.0	7.5	3.06.5	4.5	75%	
Month			De Vam Lam	3.0	3.0	4.0	4.0	2.5	2.5	5.0 8,5	7.0	9.0	0.0	9.0	9.7/		10.0	00	2.0	6.0	4.5	4.0	4,5	3,5	3.0	2.0 4.5	3,5	
Σ		10	DE	3	4	7	٠	~		7	~	7	5	7	7	7	2	•	4	m	3	r	8	7	62	4	12	
ョ			Du	9	7	%	۵	0	9	γ	1~)	h	7	11	/3	0/	7	4	V	~	~	~	4	4	Ŋ	~	7	
Long. 103.8E			Fam	41	41	39	39	35	35	41	40	37	33	32	31	33	37	39	39	43	46	47	47	49	47	47	45-	
7			*wp-	20.0/	70.5	8,5	13.0	12.5	9.0	11.0	14.0		18.0	/3.5	13.0	0.7/	17.0	2.0	76.5	0.//	14º	0.0/	11.0]	==	9.5		5- 6.0 10.5 45	
-ouô			Vdm Ldm	6.0	6.0	3.0	7.5	6.0	5,0	6.0	7.5		130	0.01	9.0 /3.0	0.01	11.0 17.0	5.91 5.11	70.5	6.5 11.0	10.0	2:0	6.0	5.0 9.5	5.5	50 95	6.0	
- 1		2	De	2	12	0/	e	4	00	9	و۔	3	e	8	00	0/	9/	14	0	00	00	و	3	7	7	e	12	
35			Du	4	و	2	7	-	9	4	7	9	00	6	9/	14	11	12	11	7	7	7	4	7	S	4	~	
Lat. 1.3N			Fam	28	5.6	90	3-6	G	52	54	84	\$	36	33	34	38	44	2	47	50	5.4	09	79	09	5-9	00	5-8	
۲			Ep-	12.5	0.41	13.0	47.0	4.50	4	14.5	18:0	15.51	19.0	10.5	# 0 !//	* 0.91			18.5	16.0	15.0	* 11.5	12.5	140	14.0	13.0	1457	
a Va			De Vem Lem	5.9	7.0 /	*%	475	8.0	*00 12	* 6.	× 0. ×/	*/:>/	* 0.0	7.0	\$00.0	*/	75.5 12.6	10.5/9.5	* //·5_	\$40	10.01	6.5/	6.0	8.0	* 0°	*0.	75.	
Mala		īΩ	De \	9	14	ارا	7	e	7	4	0/	~	000	8	5	· ·	16	200	77	00/	11	8	2	1	9	0	2	
e l	(Mc)	2	Du	4	15	ارا	9	9	2	9	9	0	=	77	33	30	16	6	0/	0/	5	2	7	. 62	9	•	2	
por	3		Fam	59	99	65	65,	65-	63	29	5	44	37	33	3	33	53	S	2	S	55	19	65	150	65	ما	3	
Station Singapore, Malaya	ς		-dm	175 6	0.8/	18.0	17.0	17.0		=	4°درد	1,0%	* 0.9/	12.4						35	=		15:5/	140 65	16.5 6	18.0 4	85 170 63	
Si	Frequency		De Vem Lem	9.0	8.5 /	9.0	8.0 /	6.0 /	2. KK 2:11	* * */	* \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	165	45.6	X * 15:0 23.5	14.023.0	140 275	14,0 25.0	13.5 27.5	13.0045	25.6 0.51	10.5 18.0	7.0 15:0	9.0	15%	8.0 //	9.5- 1	1/5.	
atio	Fre	545) 2a	9	9	7	7	9	* 11	181	14 7	* ~	オペ	<u>د</u> ر	15/	35- 11	20 4	13 /	10/	17/	3/	10 /	7 9	6 7	9	3	9	
ঠ		.5	Du	7	7	9	7	y	1 8	1 /1	14	72/	700	23/	99	8/	5		17	08	00	4	7	9	5	15	12	
				93	95	95	95	95	68	18	757	11	69	71	77 0	06	95-	92	23	16	63	93	46	93	63	91	93	
Щ			Dr Vdm Ldm Fam	165	0.9/	19.0	18.0	20.0	20.0	* 25.0 1		28.0		***			27.0 9	_			30.50		=		18,0			
NOISE			J III	9.0 //	9.0 16	10.01	10.01	ح ٥.٥/	C 0.1/	* * *	* 4.0 \$6.5 16.0 \$6.5	* 2.51	17.0 3B.0	* 14.5 &	17.027.0	170 × ×	* /3.5 2,	12.5 23.0	0.500.61	15/11.5 20.0	11.5.11	10.0/19.0	9.0 17.5	9.5 18.5	9.5 10	9.5- 19.0	9.0 17.0	
		160) 7 C	7 9		10	9	0/	7 //	* \	* ~	* 5	* 17	7 /2	* 1	*!\ \(\)	7 //	14 10	7	5/	<u> </u>	1/1/2	10	20	6	5	3	
9			Du	~	7	-9	د	7	00	14/	7	0/	<i>w</i> ,				/ /	=	70	08	10/	7	9	7	4			
₹				_	(22)	900		(८८)	119	1011	80)3	3	4	0	11 9 11	10/	9		1/2/				20 4	120 4	20 4	t+h
lı.		=	E.	0			ر ا	5/	0		1/[/5	12 /s	0 2	0	0/0	100	1 2"	,0.	3	7	_	1/2:	0	0	2	0	12	your
0			m Lo	50 15.0 122	10.5 16.5	2.9/ 0.0	00/ 22/ 00/	11.0 18.5	* * //.0/8.0	12.0 19.5	40%	*17	1.V.	12 27	50,00	+7	7	12.5 20.0 116 14	0 /8	78	11.0 19.5	70	06/ 0.6/ 0.1/	0/8	10,5/185 120	0/1	4 08/ 15:51 0.01	ingh
S		51	De Vam Lam Fam							00	12 140245 108	10 125 225 104	7 17.5 27.0 103 13	11 15.5 270 104 21	11 15.0 25.0 104 21	12 011 045 240 110 21	2.KC 2.41 6	(2)	7 10.0 18.5 116	4 11.5 20.5 116	13 11.	91100118	4 11.	8 10.0 18.0	00	6 11.0 17.0	7	noise
3		,051	_	2	9 16	9	72	9 9	7 3	00	6 /	7 /	10/		7 /				0	20	7	و	9	7			17	Dung
¥			m Du								130 (15:	/25 7		-/ K	1/	198		_					7 98	7 98	36 3	400
			n Fa	6 /3	6 /3	0 /3	0 /36	6/3	0 /3	(3	()	o	(2)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	্	رار د/ارک	0 /3	0 / 3	/3	5/	5 /3	0 /3	<u>5</u>	12	5	5	100	factiv
E E			D& Vdm Ldm Fam	9.0 15.0 138	851 0.01	18.0 15.0 136	9.5 15.0	9.0 15:0 138	10.0 16.0 135	10.0 15.5 /30	11.5 18.0	861 0.61 0.61	12.5 20.0 125	2.06 2.51	14.0 21.0 127	21 x81 3.00 0.51	11.5 19.0 134 12	10.5/17.0 136 10	9.5 15.0 137	9.0 16.0 136	8,5 MS 134	10.0/6.0 134	9.5 /55 /36	9.5 15.5 136	9.0 MS 136	9.5/4.5 136	9:0 14:0 136	of af
오		~	ν γ				9.5				(7)					=		6				_					_	dise.
H		, 013	_	9	9	7	3	3	w	٧	8	5	15	7	7	4	7	7	00	-9	1,0	7 9	12	9	9	2	4	For a median value of effective antenna noise in 4th above
Z			n Ou	79	7-9	9 4	2,	1	2-	2	00	4	3 5	<i>و</i>	2	9	7 6	7	0	0 5,	200			2		2	2	II TI
MONTH-HOUR VALUES OF RAD	,	71	Fam	75/0	1/57	154	3 155	04 154	5/5/5	96 154	7 152	3 152	9 153	د ی/ (154	154	157	157	09/0	09/0	15-8	3 155	15%	0/5/	15-6	22 156	3 154	Fort
	(TS.	() J	noH	8	ō	8	03	ò	02	ŏ	02	80	60	9	=	-2	<u>5</u>	4	15	9	-	8	6	20	2	22	, 23	

 $F_{\rm om}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper declie to median in db $D_{\cal R}$ = ratio of median to lower declie in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power Ldm = median deviation of average logarithm in db below mean power

19 62
Month September
103.8臣
Long
Lat. 1.3N
Malaya
Singapore,
Station

MONTH-HOUR VALUES OF RADIO NOISE

		Vdm Ld	<u>~</u>	<u>سخ</u>	2.54	\.\.\.\.	Λή (Λ	~	2	2.	<i>^</i> √3	3:	20	7	3	74	10	4.0 6.	+ 2	10	4	7	S	, v,	2	2
		>	2.0	2.5	3	2.5	℃	7.5	25	3.0	2,5	80	2,5	3.0	3.0	3.0	3,5	4.0	*~;	3.5	4.0	3,5	4.0	40	3.0	2.0
	20	70	~	ィ	ત	_	_	0	ベ	\sim	0	0	0	0	7	~	7	۲	γ	7	h	ત	_	べ	べ	0
		۵	_	~	૪	1	~	7	7	~	7	7	و	へ	10	71	00	6	4	~	m	h	7	4	~	~
		Fam	μ٣	hr	75	25	25,	7	7.70	74	مده	22	77	77	ho	7.5	78	26	90	76	26	76	27	8	26	44
		Vdm Ldm	2.0	7.0	2.0	45	5,0	5.5	/0.0	2.6	145	\$:S/	*	14.0	140	13.5	12.0	01//	75	8.0	7.5	9.0	8.5	7.5	×2.	3.0
		Vdm	4.5	4.0	4.5	2.5	3.5	4.0	6.0	6.0	50	4.0	49.0	2.6	9.0	8.0	8.0	7.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	*4.0
	10	γd	7	7	5	4	ત	7	\sim	و	4	4	4	9	10	8	7	9	5	h	h	٦.	4	~	4	7
		7 0	72	4	7	9	9	e	2	٦	00	0/	4/	16	/3	8	00	6	h	7	7	۲	4	ħ	9	4
		Fom	7/2	42	39	36	34	36	43	42	36	3	32	32	34	36	40	42	ηų	48	84	48	50	84	18	46
		Vdm Ldm	* /3.0	9.0	10.0	4.0	9.0	2.0	/3.0	4/7.0	10.0 16.5	* /s:s/	10.01	13.0	10.0 14.0	0:51	5.41	10.5 16.5	/3.0	6.0 11.5	9.5	¥ /0.0	2.6	01//	7.0 10.0	9.0
		Vdm	7.5	6.0	6.0	* 6.0	15'8	5.9	0.0	10.5	10.0	. *	* 8.0	* 8.5	¥ 10.0	5'6	4.5	70.5	75	6.0	5.0	* 6.0	6.0	6.0	2.0	Sio
	72	ZO	و	8	8	7	5	2	6	e	00	10	10	10	11	14	10	12	00	4	5	4	4	r	9	t
		D _u	00	7	15	e	7	7	<i>∞</i>	5	10	01	7	61	31	77	16	16	9	9	4	4	2	6	10	7
		Fam	58	5	9	23	cs	50	Ç	47	42	38	34	34	33	38	44	47	48	Z	9	90	9	09	9	90
		Vdm Ldm	145	8.5 14.0	14,5	9.0 15.0	9.0 15.0	8.5 14.0	17.0	* /8.0	10.0 16.0	* 14.5	7.5	* /0.5	* 7.00	* /5.0	10.0 17.0	* 10.0 / X.S	175	13.5	13.0	120	/3.5	13.5	80 140	8.5 140 60
		Vdm	9.0	5.5	8.5	9.0	9.0	2.5	9.5	* 0 '//	¥ /0.0/	4,5	\$.0	* 8.5.	* 6.	9.0	10.0	\$0.0	10.0	8.0	7.0	7.0	8.0	7.5	0.0	8.5
	2,5	7 _Q	5	7	7	00	9	00	٥	11	۲/	6	5	4	14	18	18	16	a/	5	5	/3	5	4	7	4
(Mc)	, ,	ηq	٣	m	3	h	2	4	7	00	14	23	77	38	30	30	27	7	16	11	8	7	9	8	4	7
		Fam	77	67	89	67	67	67	2-8	1.5	43	36	30	33	14	44	49	54	5	24	19	65	49	63	65	65
Frequency		Ldm	17.0	18.0	16.0	19.0	0.6/	10.0 21.0	14.5 25.5	*	15.0 245	*/8.0	12.0 22.0	**	13.0 250 41	24.0	13.0 22.0	0.00 0.0/	10.0 19.0	8.0 15.0	14.0	16.0	S'H/	16.0	7.0 14.5	16.0
nbe	2	V _{dm}	7.5	9.0	8.5	9.0	0.0/	/0.0	14.5	*	¥ /5.0	*	13.0	* //.o	/3.0	11.5	13.0	/0.0	10.0	9.0	7.0	8.0	7.5	8.0	7.0	0.9
F	. 545	7 0	00	4	4	7	0/	9	15	14	/3	15	13	7	26 20	14	18	8/	4	8	h	7	4	•	9	7
		nα	9	9	9	00	2	10	16	17	23	27	31	36	26	20	0/	7	7	10	9	•	7	4	10	-9
		Fam	46	44	96	46	96	90	Z	18	17	75	73	80	82	92	36	96	2	90	22	44	46	46	3	93
		Ldm	5:51	17.5	17.0	20.0	19.0	21.5	26.0	4.50	15.5 28.0	240	16.0 26.0	# # 14.5 28.0	0.4c 0.41	* 13.5	23.0	20.0	20,0	9.5 17.5	8.0 16.5	16.0	17.0	9.0 17.0	9.0 17.0	17.0
		DZ Vdm Ldm	8.5	9.5	6.5 17.0	10.5 20.0	56	11.5	14.5 26.0	14.0 25.0	15.5	140 240	16.0		14.0	20 735 23.5	12 140 23.0	11.5 20.0	10.0 20.0	36	8.0	8.0	8.5	9.0	9.0	9,5 17.0
	160	7 _Q	7	7	. 4	9	7	4	14	18	14	12	الم/	18	76	20	12	9	10	9	4	9	~	7	00	9
	-	ηq	~	7	7	~	7	و	00	7	16	8/	7	61	14	11	6	7	0	9	76	7	7	7	4	9
		Fam	123	123	123	125	125	3	115	113	110	801	104	101	117	119	119	611	117	117	119	121	121	12	10/	त्
		L-dm	14.0	14.0	55/	76.5	10.0 17.0	18.5	2.12 2.51	10 14.0 22.0	0.90	14.0 26.0 108	15.5 25.5 104	* * * /6.0 26.5	11 14.5 23.0	20.5	12.0 20.0 /19	11.0 20.0 119	10.0 18.0	10.0 18.0	9.0 16.5	9.0 17.5	9.5 17.0	9.0 17.0	9.0 15.5	8.5 145
		DZ Vdm Ldm	8.5	9.0	9.0	0.0/	0.0/	11.0 185	12.5	14.0	15.5	14.0	15.5	*	14.5	13.0 20.5	12.0	11.0	10.0	10.0	9.0	9.0	9.5	9.0	9.0	8.5
	051	7 0	9	4	00	7	9	3	5	10	14	13	16	16		11	10	/3	6	9	6	0	7	7	9	e
		Du	4	و	4	4	9	7	6	1	10	133 11 13	13	16	17	14	9	h	00	00	9	9	9	و	9	9
		Fam	139	/39	141	141	141	139	135 6	/33	0.06 2.21 41 01 451 0.05 0.61		12.0 20.0 133 13	13.5 20.5 129 16 16	C/ 0.06 0.51	134	11.0 18.0 141	10.0 17.0 143	139	137	139	139	139	139	12.0 139	139
			12.0	9.0 135	15.0 141	14.0 141	15.5	9.5 145	10.0 16.0	0.8/ 0:1/	20.0	13.0 20.0	20.0	20.5	20.0	12.0 18.0	180	17.0	9.0 150	8.0 14.0 137	9.0 15.0	8.5 14.5	13.0 /39	12.0 139	12.0	115 139
		Vdm Ldm	7.5	9.0	9.0	9.5	0.0/	9.5	10.0	11.0	/2.0	/3.0	12.0	13.5	12.0	12.0	0.11	10.0	9.0	8.0	9.0	5.5	8.0	2.0	2.0	20
	013	70	α	72	4	6	۳	4	4	1.2	6	9	Ч	9	و	7	و۔	3	2	7	00	7	8	~	9	7
	j	n	7	7	h	્ય	~	4	9	7	6	7	00	9	0/	11	00	-9	4	ત	7	જ	5	7	3	7
		T _E	158	160	160	79	09/	160	157	156	15-6	155	451	156	155	156	160	79/	162	160	160	09/	158	8_5/	8-51	251
(TS	ړ (۲	noH	8	10	8	03	04	05	90	07	80	60	0	=	12	13	14	15	9	17	8	6	20	21	22	23

3.0

4.0

4.0 0. 0.0 0.0 40

0.

0 13

5.0

 $F_{\rm am}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

RN-13

50 00 00 00 00 00

19 62			Vdm Ldm	2.6 3.5	2.5 4.0	2.0 3.0	0.0 3.0	2.0	3.0 4.0	3.0 4.5	3.5- 40	3,5 5.0	× 40%	* * * 2,5 3,5	40 4	30 5.0	3.5 6.0	* 5.5 7.5	3,5 6.0	5.0 7.0	35 50	45 7.0	40 50	3.5 2.5	45 65	30 5.0	3.0 5.0
5		20	70	γ	ィ	0	~	0	0	જ	~	0	べ	~	3	1	~		7	7	8	9	~	3	ィ	*	m
뉘			D _O	7	4	~	0	7	7	~	~	4	7	ત	3	1	1		00	7	4	ィ	ィ	~	9	4	7
Month October			Fam	24	44	77	44	7	てて	hr	ho	な	77	7	コ	44	7	<i>†</i> ∞°	₹	38	77	26	26	30	28	38	76
Oct			E p	7.5	8.0		* 5.5	2:0		, , , , ,	10.0	13.0	16.0	14.0	4°50	140	* 1.5.5.	\$ 0.0	=	5.8	==	2.6	2.0	75		7.0	2.0
nth			D& Vdm Ldm Fam	5.0	* 0.5	5.5 8.0	45-1	3.5	30 4.5	4.5.9	7.0 /	9.5	*/ /:°	100/	* /0.5-	\$2.	\$0.6	\$0.0	6.57 10.0	6.0	4.5 7.0	45	4.0 7.0	45	6.0 11.5	45	40
Š		9	DE	<i>C</i>	(A)	7	* 4	₩.D	9	4	4	12	8	7	12	e	2	*~	7	7	4	15	3	n	7	4	2
[4]			Du	5	7	9	7	00	4	M	9	9	٨	7	7	7	9		5	9	7	0	ィ	5	3	7	3
Long. 103.8E			Fam	47	45	4,	41	36	14	*	14	37	18	33	3.3	37	7 +	74	45	17	64	15	15	15	15	72	
9	Ī		d m	15.	5.0/	0.0/	10.0/	10.0	9.81	* OH!	0.0	* 17.5 J	10,5	7. (2)	9.0	12.0	14 5.6/	* 0.5	18.0 4	140 47	17.0	10.0	10.0/	9.0%	* //.s//		10.0 49
ong			dm L	6.5 11.5	1/2.9	# 2·9	2,5	\$ 0.5	c/ a:8	* 5.	11.0 18.0	* 0.1/	* 018	* 0.8	7.5- 4	* 0.	*0.	* 7 0.4	* 0.11	8.5 1		* ''/	* 'S'	6.0	* 5'Z	6.0 10.0	* 0°
			De Vem Lem	9	5	*~9	7	\$ 3	3 12	*00	11	* 8/	* 30	*0/	*1	15	20	* 4	* 6	400	7 9 4	4 2	5	15	+	2	W ====================================
3N		īΩ	Du	7	٦	3	7	15	7	2	6	1 9	00	6	6	151	6		6	, 9	5	7	4	و	7	~	76
Lat. 1.3N_			Fam	29	61	19		57	555	23	45	39	33	2	33	38	7	*12	50	15	550	19	77	19	19		
و			T E	500	13.0 6		15:0 61	15.0 5	5 5.9/	7.0 5	18.0 4	145		/3.5 3.5	12.0 %	* 14.0 3	17.0 4	* 0.0%			_		7 511	9	==	9.0 140 61	8.5 13.0 61
Ę			De Vem Lem	7.5- 1	7.5 /3	7.0 12.5	8.5 /5	9.0 /	9/ 0:01	* * 1/ 0.0/	11.0 18	* 50 O.P	10.0140	* 0.0	\$0.6 \$0.00	* 0%	# 10:0/	* 0.0/	11.0 18.5	10.0 16.0	\$ 0.6	7.0 12.0	7.0 11	8:0 120	8:0 130	÷ 7	1,5
[a]a		5	N N	4		4		4 9	4 10	ر * و	11/9	2*	7	*0.	*0.	*8	¥ 01	* 2	+ 51	14 41	40.	6 7	4 2	3-	6	7	2
	(C)	2			4	7	7	4	3	<i>w</i>	20	2	2	0/	0/	20	77		14	1	7	4	7	7	2	اک	7
ore	(Mc)		m Du	7	7		1.)		_									_		1 25					Α		<u></u>
Station Singapore, Malaya	ج		D& Vdm Ldm Fam	13.0 67	13.0 69	7.5 15.0 69	67 3	8.0 17.5 67	5 67	9.5 Sint	54 3	140	35	0 3/	35	98 0	16.0 45	e*	57		5 57	11.0 63	65 160 65	25 165 65	16.5 65	16.0 65	15.5 65
Sir	Frequency		m Ld	/3	7.	5/ /5	2.8/ 0	17.	S.K. 0		24.5	10.0 18.0	5 250	0.4%	0.9/ 0	0 23.0	\$ 0.6	* 2%	13.0 25.0	16.0	2.0 13.5	5 //	5/6.	ا ا	75 16.	8.5 16	21/2.9
tion	req	545	V /	2.0	7.5	5 7	1.0	_	* -	* 73.5	3 /3.0	=	3 # 5	14 40	*0.0	140	-	* S:S	* W.	48,5		5.9			=		6
Sta	L	5,		6	6		7	5	12	1	13	14	13		-	7/	81 1		1,		9 9	9	~	*	4	9	
			O E	7	1	1	1	1 6	-9	11	8/8	8//	17	5/5	2	1 20	416	m	7 13	3		5	7	-	5 9	2	2
ш		_	DZ Vdm Ldm Fam	- 95	95	195	95,	46	S	1 27	73	16	16	73	18	89	135 ays 99	* 103	6 97	93	93	95	- 95	8.5 16.0 95	96	595	197
NOISE			Ldn	17,5	8.5 15.5	8:0 15:0	- 18.0	- 19.5	* 0.5/	2.57	14.0 ×	15:0 26:0	4.5 25.0	7 60	16.0 27.0	14.0 23.5	Š	20.5	11.0 19.0	12.5 23.0	9.5 22.0	7.5 14.0	9.0 175	* 19	18.0	8.0 155	05/175
2		0	Vdm	2.5	15.8	8.0	2.6	9.5	* 0.0	* 18 12.5,	* *	15:0		*/6.5	* 29	_	/35	405	1/.0	# 15	9.5	7.5		* ∞		=	_
0		160	ď	4	2	7	7	4	7	/3	00	7	#1	6	9	3	18		00	9	5	18	9	12	12	9	3
ADI			Du (-9	শ্ব		_		9	7		16	15	/3		15	0 / 1		/3	76	6	7	~	8	76	7	7
2			Fan	07/	44	777	22/		9//	///	104	104	106	40/0.40	0 //	411	7	2/5/2/25	1/8	11/17	120	7	12	3	7	72	57
PP			Ldm	021 56	10.0 16.5	3.21 56	11.0 19.0	10.01	2,04 2.61	0.61 0.51	125 220 104	401 026 2:51	**	* 78	15:5 26.0 110	Spc 0.61	14.0 22.5 121 10	+ 3	11.5 21.0 118 13	LA 711 2.05 0.61	0.00 0.11	GO 16.5 122	Las 195 /22	x 18,5 /22	KK1 0.51 2.01	4.0 15.5 122	16.0
S			De Vam Lam Fam	36	0.0/	9.5	1/.0		i	7.0		75:5/	901 27 071	18:0	15.5	==	140			12.0	11.0	9.0	/0,5	* 6	10.5		0.0/
Ä		051	Ža	7	7	m	m	7	6	7	c	7	2	2	0	01 01	•	0/	9	9	2	2	9	R	7	الم	2
ALI			Du	γ	٦	ょ	6	4	7	-	•	00		7	کی	10	75	7	00	9	7	5	4		3	4	
>			D& Vdm Ldm Fam	141 0:5/ 5.9	141 0.010.01	141	9.5 150 140	141 9.5 15.0 141	/3%	10.0 17.0 133	/3/	601	05/ acc 0,4/	P45 215 241	# * 14.0 Als 132	13.0 21.0 135	11:0 18:0 137	24/ 0.0c 0.c/	120 19.5 143	10.0 170 141	10.0 175 141	10.0 18.0 141	141 941 5.8	4 8.5 13.5 139	3 8.5 145 141	7 10.0 13.0 141	7.5- 13.0 141
民			Ldm	2:5/	16.0	9.0 14.5 141	150	0:5/	11.0 180	17.0	11.5 18.0 131	206 2.81	* 25°	21.5	2/0	21.0	18.0	\$0.0	19.5	17.0	17.5	18.0	9/11	13.5	14.5	13.0	/3.0
ᅙ			Vdm	15.6	*0.0	9.0	3.6	9.5	0.11	0.01	11.5	13.5	1,0	14.5	14.0	/3.0	# 11:0	*\ \\\	* 0.0°	0.0/	10.0	10.0	8.5	Sis.	8.5	0'0/	75%
<u>+</u>		013	70	9	9	ч	7	4	っ	7	(1)	9	7	9	4	9	7	9	2	00	9	8	7	7	3	4	4
MONTH-HOUR VALUES OF RAD		,	D _u	7	a	7	t	4	ત	7	6	8	4	~	4	4	9	へ	2	9	7	7	7	4	٦٧	7	4
O			Fam	163	163	19/	19/	19/	19/	6-51	851	159	157	15.7	157	191	191	167	167	163	163	163	67/	10/	19/	19/	
Ž	(TS	اد (٦	noH	00	ō	8	03	04	05	90	07	08	60	0_		12	13	14	15	191	17	8	61	20	21	22	23 161

 $\Gamma_{\rm GM}$ = median value of effective dictema noise in do above ktb $\Gamma_{\rm GM}$ = ratio of upper decifie to median in db $D_{\rm g}$ = ratio of madian to lower decile in db $V_{\rm GM}$ = median deviation of average voltage in db below mean power $L_{\rm GM}$ = median deviation of overage logarithm in db below mean power

RN-13

USCORR. HBS-IN

MONTH-HOUR VALUES OF RADIO NOISE

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		Vdm Ldn	30	1.57	1.5	1.5	1.5	à	72.4	3.0	124	2.0	¥0.0	40	3.0	* 18	40	4.0	3.5	5.0	3.5	3.0	3.5	3,0	30	**	
	20	70	0	-	-	7		1	0	0	べ	べ	۲	~	0	۲	4	3	S	m	7	જ	4	-	7	8	
	,	Du	8	0	00	<u>س</u>	4	76	ヾ	_	ィ	۵	~	7	9	15	00	4	_	3	\sim	~	7	7	1	7	
		Fam	23	23	23	23	23	~	43	ಇ	2	23	ولا	ي ک	~	25	27	47	200	26	25.	250	27	27	27	23	
Ī	-		4.0	3.0	3.0	3.0		2.5	5:5	2.0	4.5	*×	* /0.0/	8.5	× 6.	7.0	5.0	5,0	4.5	15,0	5.0	× 0.5	\$50	4.5		* *	
		Vdm Ldm	7.0 1	6.0	5.0	ن ه کې	2.0.2	5.0	8.5	9.5	6.0	4.0	* 5.4	13.5	15:57	11.0	* 25.	10.	7.5 4	*10 *10	0.0	40.0	100	7.5.4	7.04.0	732	
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		E DL	4,	104	40	40	38	39	42	40	38	36	36	36	38	38	40	\$	43	45	44	184	84	3	46	toto	
ļ			۵	10.0 4	11.0 4	10,5	7.5	9.0	=	17.0 4	14.0	16.0	ري ال	* 145 3	* 16:5-	* 16.5 3	14.0	14.5 9	13.5 4	9.5-	10.01	*0.°	12.5	13.0 4	12.0	11.0 4	
Ì		Vdm Ldm	\$ 00 ¥	0/ 0.9	11 5.9	6.5 11	* 25.	6.0 9	* 0.8 * 0 12	* (10.0/	4. 4.	8.5- #	* 0.01	105 16	* * * /0.0/	*0.8	40.0	6.5 /3	\$.0 *	5:5 10	*0' Sio		7.0 /3	10.	6.0 //	
		N Y O	* 6		3-15			6		* 00	0	40	13 *	401	7 6	* 0/	2	*0	9	××	4	7	*1.	34	24	3 6	
	ນ	Du	2	7		90			6 13		00		101		6		7	2	5		7	و	~	~	3	7	
		Fam D		7	6	59 5	58 4	3 7	52	46 6	38 8	7		8		40 19	_			5-6 4	0	٥	0	26	59		
ŀ	-		2000	9	25 0			5 53			=	36	29	5 30	33		44	0 47	5		9	70	2	_		0 50	
ŀ		Vdm Ldm	2.5/ 0	120	5 140	140		0 16.5		0 170	0 14.5	0.01	0.6	5 12.5	2.11 0	0%/	11.0 16.5	10.5/7.0	0 /5.0	0 140	0 /3.0	0.8/0	0 14.5	8,5 155	9.0 15.0	9.0 15.0	
	72	P/ 3	8.0	7.5	500	¥0.	10.0	11.0	11.0	* //:0	10.0	7.0	4.9	4.5	0.	*0.	_		0 %	8.0	%	7.0	8,0				
<u></u>	2	JO		~	7	7	~	4	7	00	9	2	2	7	2	0/	2 12	10	_	2	7	7	9	1	9	7	
(Mc)		n Du	5	7	7 7	5	20	4 -	ω,	00	0/	8	3 7	114	18	38	722	7	2	7	~	10	3	3	16	7	
		Fam	49	99	67	67	79	59	S	77 0.16	35	3,	29	9-6	3	39	45	47	23	57	65	65	65	65	65	50	
Frequency		Vdm Ldm	14.0	15.0	15.0	18.0	18.0	کدد			13.0			2.4c 0.7/	م.5در		7	22.5	21.0	558 551	16.0	14.0	15,5	8.5 17.5	9.0 17.0	52	
edn			7.0	2.0	2.0	12.50	9.0	14.5		13.0	14.5			0.9/	13.5		12.0	/3.0	0.11	5:5/	7.5	2.0	8.5	80	0.6	6.5	
Ľ.	545	70	9	9	ત	4	1	0/	18	7									00		7	7	00	0/	9	*	
	•	ď	7	ત	r	7	4	9	1	00									00		0	4	2	4	9	00	
		Fam	95	95	93	93	6	17	75	69	64	10	67	ti	£8	\$	42	45	93	*	6	97	97	97	95	63	
		De Vem Lem	18.0	17.0	79.5	17.0	19.0	ە.چىر	2,45				17.5 27.0	15:0 23.5	2.54 2.51	25.0		2.pc 0.H1	0۲	13.0 20.0	15.0	18.0	18.0	10.0 19.5	10.0 18.5	13.0 22.0	
	0	\mp_	11.0	10.0	11.0	9.0	10.0	13.5	17.0				17.5	15.0	15:51	5.91		14.0	13.5 22.0	13.0	8.0	9.0	9.5	0.0	10.0	/3.0	
	,160	7 _Q			7	7	00	14												9							
		Du			7	ત	7	9												9							V+1
7		Fam	4	* 2	2	120	118	۲//	* /05.	10/	*0	86	101	* /0 /	*	4/	*	*	4/1	116	*\ \7	10	त्त्र/	7	611	101	d one
				165	=	19.0	5.8			23.5		25.5		21.5	0.10	20.0		0.4	19.0	33.0		21.5	_	CEN 0.50 0.41	11.0 19.0 119	13.5-19.5	do de
Ì		Dr Vdm Ldm	10.0 16.0	0.0	7.0 11.0	2.01	11.0 18.5	12.0 185	14.5 22.0	23.5 a.S.	15:0 25:0	255 0.91		15:0 21.5	0.16 0.41	/3.0		0.5 22.0	11.5	14.0 23.0	13.0 23.0	73.0 D.S.	12.0 DOS	4.0	11.0	13.5%	di o
	051	10	4	9	4	9		9	В	=						9				7	9	9	ょ	7	2	9	noin
	•	ρq	70	9	د	7		9	4	>>>						11				4	7	7	ĸ	2	7	2	ntonn
		n E	139	/4/	/39	139	+	/35	/33	3/	/30	127	+ 12	4	131	137	*	47	142	141	143	143	14	1/2	141	139	on one
		¥ £			$\overline{}$	135		_	17.5	13.0 20.0 131							* `	CHI 0.81 0.11	/9.0 /		زد		9.0 18.5 141	11.5 17.0 141	5	19.5	a fortin
		Vdm Ldm	11.0 16.5	9.5 15.5	11.0 77.0	9.0 13		11.0 16.0	9.5	3.0	13,5 23.0	0.56 0.51	18.0 23.5	14.0 21.0	2.6/0.0/	17.0 18.0		0.	11.0 /	0.61 511	11.0 18.5	12.0 18.5	0.	1/5/	11.0 16.5	1/2/1	90
1	60	ν γ α	7	4	0 11	8		4 1).	8	7 /3	1/2	7	~	~	10	7		1	7	7 7	4 11	0 13	4	7	7	1	project
	. 013	Du		7 9	9	-		7													4 6	4 6	4	7	7	\dashv	anihe
		Fam D	7			7			h 651	8	6	.7	10	459	15-9	-	163	7	3 4	3 2						-	E
(TS	7) 4	uoH rp	00	01 1/59	02 1/5-9	03 /59	04 //6 /	05 /6 /	06 15	7 159	08 159	25/ 60	10 155	*5	12 15	13/16/	14 1/6	15 44	16 1/3	17 //3	18 //3	19/ 61	20 161	19/1	22 /6/	23 16 /	u
113	"	-17	0	0	0	0	0	0	0	07	0	0	-	-	-	-	-			-	-		N	2	N	N	

Fam = median value of effective antenna noise in db above ktb

 D_u = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13 USCORRENDS-BL

USCORR.NES-BL

19 65			Vdm Ldm																									
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er.		20	no	n	7	4	7	4	7	. ~	6	00	~		7	9	7	4	7	7	6	ィ	7	4	7	7	4	
MonthSeptember			Fam	27	37	15	27	170	29	17	77	15	15	79	29	99	27	50	29	29	39	29	49	27	50	27	27	
Sept			dm F							-			. 6					0		. "	0	- 0	3			-		
nths			Vdm Ldm																									
Š			DEV	n	2	~	M	76	5	m	4	~	4	7	8	7	~	7	4	76	7	00	9	2	9	7	15	
> I		10	Du	7	2	4	9	4	2	m	7	7	9	マ	7	3	9	7	7	9	6	7	7	7	7	7	15	
68, 7W			Fom	15	15	15	15,	15/	1	91	15	9/	/3	15-	/3	3)	15/	17	17	17	21	74	15	13 4	16	17	17	
													_								. 0		7				$\stackrel{\sim}{=}$	
Long.			Vdm Ldm																									
ZI			^ 7 0	6	00	4	9	7	9	5	9	7	~	ィ	7	7	m	7	4	3	9	2	4	6	8	2	9	
76.6N		5	Du	9	১	10	9	6	و	00	6	7	7	9	10	2	5	8	9	7	4	9	9	7	5	7	7	
1. 7			Fam	32	30	28	30	36	30	28	28	hr	7	27	9.4	76	74	24	44	T	38	30	32	35	12	3	ধ্	
Lat.								-		- 6		- 6	- 0			-	- 0	- 0	-0		. 6	1.,			,	.,		
nd			De Vem Lem																									
enla		2,5	٥	78		5	7	6/	9		00	9		4	ィ	7	7	7	9	4	4	12	7	2	7	00	10	
dr.	(Mc)	2	Du	16	12	90	9/	7	14	11	h/	9/		~	20	15	13	Ž	0/	/3	15/	16	~	18-	14	1/	///	
e e	3		Fam	33	40	33	37	43	35/	40	37	33	36	33	29	33	38	36	37	33	33	33	33	35	35		37	
Station Thule, Greenland	ည		- Ep	9.5	9.5	9.0	9.0	10.0/	10.0	9.0	9.5	0.0/	9.5	0.0/	0.01	9.0	0.01	10.0	10.0	10.0	9.5	0.0/	9.5	7.0 10.0 35	100	10.0	100	
ا"	Frequency		Vdm Ldm	7.0	75	7.0	7.0	7.57	8.0	7.0	7.5	75- 1	7.0	0.8	7.5 /	7.0	70%	7.0 /	7.57	7.0	7.0	7.5-	7.0	7.0 /	7.5.	7.5	7.5	
tatio	Fre	5	De	0	7	0	0	78	n	-	4	7	٨	~	۲	6	٦	~	0	ィ	7	16	~	~	~	7	4	
ফ		.495	Da	7	7	2	i	00	00	2	7	نې	00	8	7	9	7	ζ,	7	6	2	t	7	-9	2	৩০	o.i	
			Fam	63	63	63	63	63	63	63	63	63	63	63	63	64	63	63	63	65	65	65	63	63	63	63	3	
SE			D& Vdm Ldm Fam	11.0	9.0	9.5	11.0	9.0	9.0	0.5	95	sio/	9.5-	0.0/	10.5	10.0	9.0	2.5	0.0/	9.5	10.0	0.0/	0.0	10.0	9.0		9.0	
NOISE			/dm	8.0	7.0	7.0	9.0	7.0	7.0	9,5	7.0	8.0	20	0%	o,	1,5/	7.0	8.0	7.0	2.0	8.0	7.0	7.0 10.0	7.5	2.0	8.0 10.0	7.	
0		160	DL	4	r	~	7	~	~	7	~	~	~		~	γ	ત	Y	4	76	6	m	1	_	2	d	7	
		-,	Du	9	-9	ري	7	4	2	9	6	11	8	0	9	7	7	~	7	5	دا	4	0/	Ŋ	9	9	2	4
RA			Fam	83	18	00	18	08	18	18	18	18	18	18	100	00	18	83	2	200	Q	3	00	18	63	83	83	NA RVO
F.			mp-	0.7	13.0	/3.0	120	/3.0	13.5	30	15.0	/3.5	JH.S	/3.5	0.0	10.0	13.5	13.0	11.5	2.5	0.6	3.0	12.0	/3.0	26/26	130	14.0	db db
0			Dr Vdm Ldm	100 12.0	11.0 13.0	10.0 13.0	9.5 120	10.0 /3.0	10.0 13.5	10.0 130	11.0 15.0	0.//	12.0 14.5	11.0 13.5	0.6/0.0/0	10.0 12.0	10.0 13.5	10.0 13.0	9.5-11.5	2.5/ 2.0/	0.0/ 0.0/	1 10.0 13.0 82	10.0 12.0	2 10.0 13.0 81	26	100 130 83	10.0 14.0	i
JES		. 051	Za	r	8	+	7	ď	1	0	0	0	7	0	0	0	v	~	~	0	0	-	ત	7	~	N	α	ion Di
ור		•	Du	2	ત	0	٥	જ	ત્ર	Y	_	4	~	જ	જ	γ	~	8	_	γ	~	-	9	マ	0	٨	2	Infern
>				811	118	8/1	118	9/1	911	116	116	116	116	9.11 6	116	116	911	9//	117	116	1/1	117	8/1	118	811	311	811	tive
匹			D& Vdm Ldm Fam	9.0 118	9.0	9.0 118	9.0	9.5- 116	8.5	9.0	7.0 10.0	0.0	9.0 116	9.5	9.0 116	8.5 116	8.0 116		8.0	5.9	0.9	2 5.5 70	7.5	6.0 8.5	9.0	2.0 9.0	9.5	effec
NO.			Vdm	7.0	7.0	2.0	2.0	7.5	6.5	7.0	7.0	6.0	6.0	2.0	7.0	7.0	6.5	6.0 7.5	0.9	Se	5.06.0	5:5	15.5	6.0	7.0	2.0	7.0	ue of
<u> </u>		~	70	3	4	7	~	べ	7	જ	~	~	4	7	٦	_	ィ	~	~	જ	~	~	4	ત	~	4	જ	ום אמן
F		. 013	Du	5	4	7	7	7	๙	7	જ	4	~	જ	7	7	7	9	2	~	~	2	2	4	72	و	7	media
MONTH-HOUR VALUES OF RAD			Fam	140	041	140	140	140	140	136	0 11	138	140	140	138	136	138	138	138	16 138	138	138	138	140	041	22 140	23 140	Fam = median value of effective antenna noise in ab above ktb
Σ	(TS	ړ (٦	пон	00	ō	8	03	04/40	02	90	07	80	60	0	=	12	13	4	-5	91	17	8	<u>6</u>	20	21	22	23	-
																											`	

 F_{Om} = median value of effective anienna noise in db above ktb D_{u} = ratio of upper declie to median in db $D_{\mathcal{L}}$ = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

		mp-1																								
		Vdm Ldm																								
		₹ _Q																								
		Du																								
		Fam																								
		D& Vdm Ldm		_																						
		DZ V																								
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equ	495	/dn													,											
L.	. 4		2	9	4	7																			4	
		٥	7	7	17	14																			14	
		Fam	86	96	97	96	\$6	*%	*0	40	84	*00	36	*8	76	+3	400	* 88	*7	*%	\$	46	\$ 26	\$¢	96	76
		D& Vdm Ldm																								
		νqm																								
	.160	70	7	00	0/			ú	20												00	9	00	10	٦/	6
		Du	16	9/	9/			15	01												20	16	13	/3	10	13
		Fam	114	115	117	* //3	1,9	//57	1/3	1/6	*	401	#///	+	103	103	¥ 01	*	401	108	101	111	113	115	119	9//
		Dr Vdm Ldm																								
	051	Vdm																								
	0	7 0	2	ری	00	0/		7	6	90										00	~	00	12	4	00	00
		Du	0/	0	.0/	01		0.	6	0/										~	(2)	14	13	12	00	00
		Fam	140	140	141	141	741	139	134	/33	13,	129	131	181	129	129	# /3)	#135	134	/33	133	/33	134	137	141	141
			* 5																							
		Vdm Ldm																								
	013	\ \mathcal{1}{7}d	ú	14	~	2	1/	17	7	(2									14	14	7	/3	00	12	/3	01
	0.	Du	00	9	e	7	h	~	9	9									8	9	0/	7	00	1	5	00
		Fam	15%	158	157	09/	160	15.9	15.6	156	15.6	¥ 154	762	15-8	*3	* 153	150	¥ 154	25/	_	152	15.52	154	15-8	15-7	
(19	۱ (۲		8	10	02	03	04	05	90	07 /	<u>*</u> ∥80	*\ 60	0	<u>*</u>	12	13 #	14	15	91	17 156	18	161	20	21	22 //	23 154
_	_																لب				لسبا	لسا	-4	.4	-4	

Station Warrensburg, Mo. Lat, 38,7N Long, 93,8W. Month September 19 62

MONTH-HOUR VALUES OF RADIO NOISE

 F_{0m} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of overage logarithm in db below mean power

M	HLNC	-HOUR	MONTH-HOUR VALUES OF RADI	OF	RAD	IO NOISE	لِيا	Sta	Station Warrensburg, Mo.	rrens	burg.	Mo.		Lat.38,7N_ Long. 93,8W_	N L	ong. 9	93.8	W	Mon	Month October	toper		19.62	7
(TS								ĬĪ.	Frequency		(Mc)													
		013	051			.160		. 40	495															
noH	Fam Du	D& Vdm Ldm	Fam Du	dm Ldm	D& Vdm Ldm Fam Du		m Fam	Du	D& Vdm Ldm Fam		Du	De Vdm Ldm Fam	Ldm	Fam Du		De Vem Lem Fam	n Fam	n ₀	De Van	D& Vdm Ldm Fam		D _u D _A	D& Vdm Ldm	Ldm
00	651		/39		9//		86																	
ō	191		85/		1/6	·	96																	
05/	651		136				95-																	
03 15-8	5-8		136		1/3		96																	
04	159		136		113		46																	
05 //	159		136		110		90																	
90	157		132		201		72				,													
7 20	(53		/33		70/		89																	
08	157		/30		103		70																	
60	15%		/30		401		11									-								
10	157		128		701		70																	
11	15-6		130		104		70																	
12 //	15.5-		/32		20/		20																	
13	159		130		011		7.2																	
14 //	191		134		//2		100																	
15 //	191		132		110		16																	
16	19/		134		011		68																	
17 /2	159		(32		101		14																	
18	159		۱3٦		4/		93		-															
7 61	15-9		133		1/2		95										7							
20 /	159		136		114		36					_												
21	191		137		114		36																	
22 /	191		136		116		96																	
23 /	151		/36		9//		86								1									
T _C	m = media	n value of effe	Forn = median value of affective antenna noise in db above ktb	e in db o	bove ktb																			

 $F_{\sigma m}$ = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db D_{g} = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

77			Ldn	16.5	15.0	12.5	10.4	2.	0.0	6.0	7,
6		2000-2400	/dm	70.5	25	S.	0.9	5:5	4.5	75.5	3.0
-		-2	De	7	6	9	6	7	2	9	4
)V.		8	۵	7	9	5	9	7	7	1	7
ă		Ŋ	r _a	72	141	77	101	99	09	3	2
ct.			튱	15.5	16.0	76.0	140	11.57	9.0	6.0	5,5
9		8	V _{dm}	0.0/	70,5	0.0/	9.0	7.0	5,5	3,5	4.0
ept		1600-2000	γq	Μ	0	6	6	7	4	7	7
(<u>S</u>		8	۵	7	-9	00	6	10	9	(2)	7
Season Fall (Sept. Oct. Nov.) 19 62		9	r _E	63	140	811	97	500	59	49	28
Fa]			Ę	15,5	16.0	20.0	27.0	12.0	0.11	°0 °0	7.5
son_		8	/g	2.01	11.0	/3.0	13,5	8,0	%0	Sis	5.0
Seas	ST)	-16	De	7	9	(3	15	14	2	7	7
		8	٥	7	00	5	9/	61	13	-0	0
ne_Lat. 9.0N Long. 79.5W_	TIME BLOCKS (LST)	1200-1600	Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam	5 11.0 17.0 160 7 5 12.0 18.0 165 5 4 105 155 163 4 3 10.0 155 162 4 4 10.5 165	8 11.5 175 134 12 10 120 180 141 8 6 110 160 140 6 6 105 160 141 6 5 9,5 150	13 115 185 110 17 15 130 200 119 13 13.0 200 118 8 9 10,0 16,0 12,2 5 6 800 125	1.5 180 83 21 10 11.0 17.0 96 16 15 135 21.0 97 9 9 9,0 140 101 6 5 6.0 10.0	7 6.0 115 40 17 9 75 115 49 19 14 8.0 12.0 58 10 7 7.0 115 66 4 5 5.5 9.0	5 55 100 41 10 7 7.5 11.0 46 13 7 8.0 11.0 59 6 4 5.5 9.0 60 4 4 45 8.0	6 3.5 6.0 39 4 4 5,0 7,5 43 6 4 5,5 8,0 49 5 4 3.5 6.0 42 7 6 3.5 6.0	3 3.5 5.0 25 5 4 45 6.0 31 6 4 5.0 7.5 28 4 4 4.0 5.5 23 3 2 3.0 4.0
29.5	310	0800-1200	L da	180	18.0	0.00	17.0	11.5	11.0	7.5	6.0
. j	E	8	Vdm	12.0	0.8/	13.0	11.0	7.5	7.5	5,0	4.5
٩	TIM	<u> </u>	0	4	10	15	0/	6	7	2	4
		000	۵	2	~	17	7	17	0	4	12
9.01		õ	Fam	160	134	110	63	40	14	39	25
+			Ldm	17.0	17.5	18.5	18.0	71.5	10.0	6.0	5.0
۲		800	/dm	11.0	11.5	11.5	/1.5	6.0	2,5	2,5	12.5
ne		0	DA	72	۵,	13	?	0	ری.	-9	m
1 Zc		0400-0800	٥	2	0	11	h/	2	12	12	~
Station_Balboa, Canal Zor		Ŏ	Fam Du	29/ Sig1 01/ 5	141	8.0 13.5 119	h1 68	63	2.5	43	5 2 3.0 45 23
)a)	L d	16.5	6 10.0 15.5	13.5	6 6.5 12.0	2.6 2.5	000	5 35 6.5	45
odle		400	, dm	01//	10.0	8.0	2.9	کې	4 4.5 8.0	120	3.0
A		0-(ďQ			9		9	7	6	1
tion		0000-0400	Fam Du De Vam Lam	9	7	7	7	2	<i>w</i>	∞	7
Sta		Ó	Fam	/63	143	123	102	89	5-9	40	2
			Frequency (Mc)	819.	150.	091	. 495-	2.5	12	01	20

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power $V_{\mbox{dm}}$ = median deviation of average voltage in db below mean power

4			L d	18.5	95	5:5/	13.0	0.0	2.5	2%	4.0
अ		400	Vdm	///5	2,5	8.0	20	Sih	45	25.6	3.0
_		-2	De	7	5	8	6	9	5	9	1
		2000-2400	Du	4	5	7	7	7	7	0	4
g Z		50	Fam	157	/32	107	68	09	53	42	25
tg			Ldm	18.0	2.0/	14.5	10.0	7.0	7.0	5.0	4.5
4		00	m _b /	11.0	0.0	8.0	7,5	4.0	4.0	3.0	2.5,
pt		1600-2000	DE	4	-9	7	<i>a/</i>	8	7	S	~
ब्रु		000	٥	5	9	%	الم/	11	7	5	3
Sedson Fall (Sept. Oct. Nov.) 19.62		16	Fam	156	30	701	77	49	20	8 t	26
Fal			Ldm	16.0	2.5	/3.0	5.5	4.0	6.5	5.0	5.0
no:		000	V _{dm}	0.0/	8,0	7,5'	3.0	2,5	12.00	3.0	3.5
Seas	ST)	-16	DR	12	6	14	5	h	9	h	~
		00	n	7	2	14	べ	الم/	0	4	7
ZW	TIME BLOCKS (LST)	0800-1200 1200-1600	Fam	15-6	hel	88	19	8 4 20 40 27 12 4 25 40 49 11 8 40 70 60 7 6 45 80	30	39	30
05	Ĭ,		-dm	18.0	115	12.0	5,0	4.0	4,5	5.0	5.5
9.1	E	00	Vdm	11.0	7.5	75	√>.√	2.0	2.5	3.0	3,5
Ğ	MI	-12	PQ	Μ	2	10	7	7	4	~	~
		8	۵	5	00	15	0	<i>∞</i>	00	40	7
Lat. 43.2N Long. 105.2W		08	Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Du Dr Vam Lam Fam Du Dr Vam Lam	4 12.0 195 154 5 3 11.0 18.0 156 4 5 10.0 16.0 156 5 4 11.0 18.0 157 4 4 11.5 18.5	2,6 5,2 2 2 (8.6) 0.6 6 6 6.0 0.8 6 7 461 211 2.7 7 8 Let 8.0 0.8 0	12 10.0 17.0 83 15- 10 75 12.0 88 14 14 75 13.0 102 8 12 8.0 14.5 107 7 8 8.0 15.5	10 6 5:0 9:0 60 8 5 25 5:0 61 12 5 3:0 5.5 77 12 10 5.5 100 89 7 9 70 13:0	6 5.0 8.0 26	6 45 80 27 8 4 25 45 30 8 6 35 65 50 7 7 40 70 53 5 5 45 75	4 30 5.5 34 3 2 3.0 5.0 39 4 4 3.0 5.0 48 5 3.0 5.0 4 4 6 2.2 45	2 3.0 4.5 28 4 3 3.5 5.5 30 4 3 3.5 5.0 26 3 2 2.5 4.5 25 2 1 3.0 4.0
4.			d d	19.5	9.5	17.0	9.0	8.0	8.0	5.5	4.5
٦		000	V _d m	0.0	6.0	0.0/	5.0	5.0	4.5	3.0	3.0
		Ö	ďQ	4	9	7	9	9	9	4	4
		0400-0800	n _Q	12	7	11	0/	7	7	12	7
Station Bill, Wyoming		0	ng m	15-6	801	93	67	48	47	38	154
N yo			m B	18.0	0.0/	16.0	14.0	5.9	8.0	5.0	3.0
1		0000-0400	V _d m	4 11.0	6 6.0 10.0	9.0 16.0	7,5	6 5.0	4.5	3.0	0 2.0 3.0
Bi		0-	ď		9	7	00	9	12	9	0
G		00	۵	3	12	0	00	\ 00	12	0	7
Stat		00	Fam Du De Vam Lam	158	132	901	88	09	25	39	24
			Frequency (Mc)	810.	, 051	09/	.495	2.5	1,5	0/	00

Fam = median value of effective antenna noise in db above ktb

 $D_{\mathbf{u}}$ = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

			Ldm	17.5	12.0	14.0	0 '//	7.5	7.5	5.0	ري ري	
9 6		2000-2400	V _d m	5 11.0 17.5	6 7.5 12.0	8.0 14.0	0 11 0 9 8 8	6 4.5 7.5	6 40 7.5	7 3.0 5.0	3.	
_		-2	De		~	0	00		~	2	3	
ov.		8	na	7	۵-	8	00	00	2	9	7	
Z		5(Fam Du De Vam Lam	5 10.5 16.5 15-8	45)	011	20	7 40 6.0 62	55	44	\$ 2	
ct.			ᄠ	افي ا	۵٬۶	35	9.0	6.0	0.9	5.0	4.0	
		8	J Wb	2.01	7.5	7.5	6.0	4.0	3,5	3.0	,5.X	
ppt.		1600-2000	7 Q	5	7	21	0/	7	9	7	7	
Se		8	na	15	7	0/	-	2	7	7	7	
Season Fall (Sept. Oct. Nov.) 1962		91	Fam	156	9 8.0 125 129 7 7 7.5 120 132 6	104	8 4.5 8.0 84 11 10 6.0 9.0	5-8	7 2.5 4.5 53 7 6 3.5 6.0 55 6	7 45 65 48 5 7 30 50 44 6	27	
Fa11			L dm	14.0	12.5	0.50	8.0	3.5	4.5	6,5	6,5	
30n		1200-1600	/g m	9.0	8.0	7,5	4.5	2,5	2.5	45	45	
Seds	ST)	<u>–</u>	De	12	0	(3	00	9	7	7	9	
		00	ص	7	00	15	15,	∞	9	6	00	
M	TIME BLOCKS (LST)	12	De Vamlam Fam Du De Vamlam Fam Du De Vamlam Fam Du De Vamlam	153 6 4 115 170 157 4 5 9.0 140 156 5	6 8.0 125 121 9 8 8.0 130 125 8	86 18 11 7.0 11.0 94 15 13 7.5 120 104 10 10 75 135	71 15	6 4 2.5 4.0 51 8 6 2.5 35 58	6 7 3.0 45 44	6 4.5 7.0 42 5	2 20 35 28 6 4 35 55 30 8 6 45 65 27 5 4 25 40 25 4 3 20 35	
05.1	Š		Ldm	17.0	13.0	17.0	6.0	4.0	45	2.0	12,5	
g. <u>1</u>		00	wb/	11.5	8.0	7.0	4.0	2.5	3.0	4.5	3.5	
Lo	M	-15	Ja	4	8	11	(2)	7	7	9	7	
		0800 - 1200	2	9	9	81	/5	9	9	7	9	
Lat. 40.1N Long. 105.1W		30	Fam	153	10/	98	7 5.0 8.0 66 15 5 4.0 6.0	6 40 65 50	5 45 7.5 42	4 3.0 5.5 36	28	
#4			Ldm	4 12.0 18.5	12.5	11 9.0 13.0	8.0	6.5	7.5	5'5	3,5	
٦		300	V _d m	13.0	8.0	9.0	5.0	40	45	3.0	0.0	
ol		Õ	γQ	7	9	11	2	9	,2	4	~	:
orac		0400-0800	na	10	8	15,	=	6	7	2	7	
Station Boulder, Colorado		Ŏ	T _E	155	13.0 127	92	7.5 13.0 72	5.5	50	40	26	
ler,			Ldm	17.5	13.0	8.5 15.0	/3.0	7.0	8.0	2,2		
oulc		400	V _d m	//.0	8.0	8.5	2,5	6 45 7.0	4.5 8.0	3,0 5,5	2 2.0 3.0	
щ		0-0	ďq	5	5	8	7		7	00	ィ	:
lion		0000-0400	Fam Du De Vam Lam	1-5	9	6	00	8	12	7	7	,
Sta		Ŏ	Fam	157	132	501	16	62	56	42	75 4	
			Frequency (Mc)	E/0.	, 051	09/	-56%	2.5	5	10	70	

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power Ldm = median deviation of average logarithm in db below mean power

			Ldn								
6		400	Vdm								
_		-2	De	0	7	رس	B	n	12	6	n
0 V		2000-2400	Du	7	9	W	DQ	و	10	٠٠٠	_
Nov. 19 62		2	Fam Du De Vam Ldm	109	91	99	5/	20	27	25	20
Oct.)	Vdm Ldm								
-		00	Vdm								
pt.		1600-2000	DR	7	e	8	જ	m	6	7	7
Se		8	ρo	e	7	n	7	00	10	e	8
Season Spring (Sept.		9	De Van Lan Fam	109	92	89	52	20	25	26	20
pri			up-								
S uo		8	V _{dm}								
eas	(T	1200-1600	De	7	9	رس	n	3	7	3	_
0)	<u>E</u>	8	۵	9	9	ام	9	3	e	4.	જ
MC	TIME BLOCKS (LST)	12	De Vam Lam Fam	108	16	99	52	. 6/	21	22	20
20.	P		Ę.								
J. 1	6 0	8	/dml								
Long. 120, 0W	N N	-12	De	9	e	s.	n	J)	7	00	જ
1		0800 - 1200	3	9	9	رى	1	0	9	b	ન
Lat. 80, 0S		080	Fam	801	16	67	52	20	9/	20	61
8			Ę.								
La		8	dm L								
		-0800	D& Vdm Ldm	40	9	+	a)	a)	4	7	n
nt.		0400	n _O	7	e	7	01	9	77	00	8
n, A		04	m _e	801	92	67	53	20	81	81	19
atic											
d St		100	/dm L								
Byr		-04	De	9	9	n	3	8	6	10	8
On		0000-0400	Du De Vam Lam	e	7	2	∞,	77	51	9	8
Station Byrd Station, Ant.		00	Fam	601	90	67	53	1 61	22	23	30
	لبت			,	3						
			Frequency (Mc)	.015	611.	9+5.	545.	2.5	5	10	20

Fam " median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db D_{ℓ} = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power Varn = median deviation of average voltage in db below mean power

No September or October data for D_u and D_{ℓ} .

ا			Ldn	14.0	16.0	74.5	13.0	11.0	70.0	9.0	4.5
9.62		2000-2400	V _{dm}	6.5-	9.0	8.0	6.0	6.0	2.5	5:5	0.0
		-2	De	4	h	7	8	6	9	5	_
24		8	Du	4	8	9	8	6	7	7	4
7		7	Fam	156	128	105	26	62	56	45	23
2ct			L-dm	SHI	14.0	15.0	10.0	9.5	9.0	7.0	5.0
٦		8	V _{dm}	9.0	8.0	5'8	5.0	5,5	5.0	4.0	3.0
apt.		-2(DZ	4	%	۲/	10	8	00	4	_
3		000	na	5	10	17	00/	81	7	9	1,2
Season Spring (Sept. Oct. Nov.) 1962		1600-2000	Fam	154	123	95	81	44	46	4.1	74
indi			Ldm	17.0	15,5	/3.5	12.0	11.5	10.0	7.0	5.0
Sons		300	V _d m	11.0	9,5	8.0	7,5	7.0	6.0	4.5	3,5
Seas	ST)	-16	DR	4	0	15	7	1	8	7	~
	()	00	٥	9	/3	حرر	pr	76	17	6	4
国	TIME BLOCKS (LST)	1200-1600	Fam	154	141	85-	53 24 12 75 120 18 18 10 5.0 10.0 86 8 6.0 13.0	2	he	5	2
30.4	SI_O	0800 - 1200	-dm	19.0	20.5	13.0	9.0	9.5	10.5	6.0	5.0
g. 1	E	00	Vdm	12.0	120	8.0	0.9	2.9	2,0	4.0	3.0
Lon	TIM	-12	De	4	7	11	7	/	9	7	_
		00	D 0	15	77	77	20	16	16	9	m
Lat. 30.6SLong. 130.4E		90	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	3 9.0 12.5 15-1 5- 4 12.0 19.0 15-4 6 4 11.0 17.0 15-4 5- 4 9.0 145 15-6 4 4 8.5 14.0	5 10.0 14.5 113 12 7 120 205 121 13 9 9,5 15,5 123 10 8 8.0 14.0 128 8 4 9.0 16.0	9 9.5 16.0 74 22 11 8.0 13.0 85 22 15 8.0 13.5 95-17 12 8.5 15.0 105 9 7 8.0 14.5	6 8.0 15.0 46 20 7 6.0 9.0	8 75-12.0 21 16 1 65 9,5 21 26 1 7.0 11,5 44 18 8 5,5 9.5 62 9 9 6.0 11.0	6 5.0 9.5 20 16 6 20 10.5 24 17 8 6.0 10.0 46 12 8 5.0 9.0 56 7 6 5.5 10.0	5 30 55 26 6 4 40 60 31 9 5 45 70 41 6 4 40 70 45 7 5 55 90	1 3.0 4.5 21 3 1 30 5.0 23 4 2 35 5.0 24 5 1 3.0 5.0 23 2 1 3.0 4.5
1.30			Ldm	12.5	16.5	16.0	15.0	0.0/	9.5	5.5	4.5
- La		300	Vdm	9.0	10.0	9.5	8.0	7.5-	0.5	3.0	3.0
		0400-0800	D.A	2	اک	6	9	00	9	4	
ia		9	Da	~	7	15	19	10	7	9	4
Station Cook, Australia		70	Fam	154	G. 5.51 0.9	87	576	46	44	36	à
Au			E P	13.0	15.5	15.0	14,5	2.0/	9.5	2.0	4.0
yok,		9	V _{dm} l	8.0	9.0	8.0 15.0	7.5 14.5	6.0	5.0	4.0	2.5
ğ		0000-0400	De	2 8.0 /3.0	4	9	9	5.01 0.9 6	5 5.0 9.5	5 4.0 7.0	
lon .		8	D _Q		9	7	6	0	9	7	マ
Stat		8	Fam Du De Vam Lam	15-6 4	129	105	83	19	54	41	21 2 1 25 40 21
			Frequency (Mc)	.013	.051	091.	.545	اد'د	-5	10	000

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

Lam = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

2			Ldm						
9		400	/dm						
		2000-2400	De						
쏬		00	Du						
*		50	Fam			54	5.6	46	28
April *** 19 62			m d						
A		8	dm L						
*		-20	7						
*		1600-2000	n						
)		16(an a			46	47	5-1	27
ring			E			 7	7	7)	~
Lat. 50-60N Long. 37.5-52.5W Season Spring (***		00	De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam						
geso	Ţ)91	JE Ve						
Š	TIME BLOCKS (LST)	1200-1600	n L						
. 5W) S	120	E			0	9	10	
-52	SCK		T _D			40	36	35	30
37,5	BL	0800-1200	n L dn						
ng.	ME	200	V _{dr}						
-Lo	I	<u> </u>	O,						
09 09		800	٥						
50-		0	r _P			38	35	2	25
T.			Ldm						
L		-0800	Vdm						
			DA						
d		0400	D						
tani		Ŏ	Fam			43	43	3%	200
E			Ę.						
ISNS		400	Vdm L						
נ		0000-0400	Du De Van Lam						
lon_		000	Du						
Station USNS Eltanin		00	Fam			50	8 #	44	29
						-3			
			requency (Mc)			2,5	7	10	30
			Fre (0			*

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 $V_{dm} = median deviation of average voltage in db below mean power$

Lam = median deviation of average logarithm in db below mean power

* * * No March or May Data

			Ē					
29		0	L E					
<u>-</u> 61		24(> 2					
		-0	'Q					
**		2000 - 2400	O u			~	لہ	
1-		()	Far			78	72	26
April***_) 1962)	Ldm					
4		000	V _{dm}					
*		1600-2000	DR					
*		300	۵					
g		16	Du De Van Lan Fam Du De Van Lan Fam Du De Van Lan			100	64	26
prir			-d-					
S uc		00	/dm/L					
eds	(T	-16	DR					
S	(LS	- 00	n					
2.5V	S)	1200-1600	E G					28
Lat. 40-50N_Long.67.5-82.5W Season Spring (***	TIME BLOCKS (LST)		Dr Vamilam Fam Du Dr Vamlam Fam					. 6
67.	ᆈ	0	P m					
ong.	ME	120	N _Q					
Ĭ	F	-0	٦					
NOS		0800 - 1200	۵			7		
40-9			r _o			ħS		77
at.			Ldm					
ا		0800	Vdn					
			ďQ					
-		0400-	Da					
anir		Ŏ	F _m			43	37	50
E14			- h					
SNS		100	Vdm L					
D		-04	De					
on_		0000-0400	n					
Station USNS Eltanin		00	Fam Du De Vam Lam Fam Du			72	53	88
0)						7	2	8
			requency (Mc)			ls.	0/	0
			Freq (N			B		20
				L				

 F_{am} = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

* * * No March or May Data

1			Ldn						
96		400	Vdm						
		-2	J Q						
*		2000-2400	Da						
*		20	- Eo			1/	7	63	50
諨			E E						
Ą		2	퓌						
*		1600-2000) X						
*		0	٦						
		160	Ē			2	7	65	
cing			IT _C			76	74	9	30
Lat40-50N_Long.52.5-67.5W Season Spring_(_***_April***_) 9.62_		0	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm						
nost		60	\ \ \ \ \ \ \ \						
Sec	ST	1200-1600	D,						
5W	3	200	Ou						
.67.	TIME BLOCKS (LST)		Farr			64	63	20	7
2, 5	3.0		L-dm						
. g	Ш	200	Vdm						
Lon	Σ	<u>-</u>	De						
N		0800-1200	Da						
0-50		90	F _a			34	3	44	52,
4			r b						
La		8	dm/						
		-08) X O						
		0400-0800							
nin		04	Fam Du			38	47	4,5	1,5%
Station USNS Eltanin			E			2	7	,λ	7
SNS		00	L E						
US		0000-0400	Fam Du De Vam Lam				-		
L.		00	ے						
atio		000	Ε Ο			12		(%	
S			π _o			25	09	5-6	26
			ency ()			2.51		9	0
			Frequency (Mc)			4	12	0/	80

Fam = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

*** No March or May Data

7		0	L dr						
<u>හ</u>		40	/dn						
*** 19 62		2000-2400	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm						
*		8	na	 					
36		2	Fam			26	70	56	30
April -			-dm						
4		8	/dm						
% %		-20	DR						
*		1600-2000	n						
)		91	g,			62	0	5,5	30
nin			౼			9	7	-,	
13 U		8	-J -J						
easc	())91-) A (
Š	ST)	0	٦						
_Lat. 40-50N Long.37,5-52,5W Season Spring (***	TIME BLOCKS (LST)	1200-1600	٤			9	ત	7	9
-52	CK		п			36	ر د د	47	36
7 5	BL		1 d						
ng.3	ME	200	\ \ \ \ \ \ \ \						
ا_	Ē	<u> </u>	٥						
50N		0800-1200	م						
40-		0	r _p			39	36	36	8
#			Ldm						
٦		0400-0800	V _d m						
		Õ 	DR						
- d		9	na						
tani		0	Fam			200	57	50	30
EL			Ę						
SNS		8	dm L						
Station USNS Eltanin		0000-0400	Fam Du De Vam Lam						
on I		00	٥						
tati		8	am			000	70	50	50
S						00		3	8
			Frequency (Mc)			2.5	10	10	20
			F						

Fam = median value of effective antenna noise in db above ktb

Ldm = median deviation of average logarithm in db below mean power $D_{\bm u}=ratio$ of upper decile to median in db $D_{\bm \mathcal L}=ratio$ of median to lower decile in db $V_{dm}=median$ deviation of average voltage in db below mean power

*** No March or May Data

62		8	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm								
<u>6</u>		-24	70								
*** May 19_62		2000-2400	D _u C								
4		20	Pam H	140	140	111	286	83	89	5.5	31
*			E P								
		8	/dm								
*		1600-2000	70								
*		8	na								
) au		9]	Fam	thi	80/	1/2	92	89	8_5	09	38
indi			Ę								
0 0		8	Ap.								
eas	E	9 -	De								
<i>0</i>) <i>></i>	7	1200-1600	۵								
Lat. 20-30N_Long.67.5-82.5W Season_Spring_(_***	TIME BLOCKS (LST)	12	Fam	h-5/	136	77	1500	49	44	5.0	33
5-	S O		Ldm								
79. gr	回	000	Vdm								
P	MIL	- 15	70								
NO		0800-1200	n								
20-3		ŏ	Fam	149	130	1/2	%	ری	04	46	30
#			Ldm								
ا ل		900	Vdm								
		0080-0	ρQ								
п		0400	n								
tani		Ŏ	Fam Du	140	127	107	48	69	8-5	47	32
SE			Ę.								
USD		400	Agh The		,						
Station USNS Eltanin		0000-0400	Fam Du De Vam Lam								
ion.		000	Dn								
Stat		ŏ	Fam	146	/38	811	-56	80	5-5	46	36
			Frequency (Mc)	.0/3	1-50	. 160	495-	2,5	5	0/	20

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db D_{ℓ} = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power $V_{dm} = \text{median deviation of average voltage in db below mean power}$

*** No March or April Data

2			Du De Vam Lam								
May 19.62		2000-2400	V _{dm}								
)-2	DR							·	
May		00	ď								
		2	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam	154	143	he/	401	20	70	5.3	30
**			Ldm								
		1600-2000	Vdm								
**)-2	Za								
		909	٥		00	_					
ing		_	Farr	8.51	143	461	101	75-	62	15	36
Lat. 10-20N Long. 67. 5-82. 5W Season Spring (***			Ldm								
son.		900	\ P								
Sea	ST	1200-1600	70								
<u>5</u> W	7	200	۵								
-82	TIME BLOCKS (LST)		T _P	15.7	144	97/	101	74	54	40	38
7.5	310		Ld mb								
9. ور	Ē	200	/g								
, Lo	2		0								
NO		0800-1200	٥								
10-2		0	T _a	7/7/	/32	///	89	57	40	39	38
‡.)	Ldm								
٦		-0800	Vdm								
		0-0	DA								
д		0400-	Dn								
Itani		0	E G	52	140	811	96	69	5.8	76	27
回 S)	Ldm								
USI		9400	Vdm								
		0-0	De								
Station USNS Eltanin		0000-0400	Fam Du De Vam Lam								
Sta		0	Fam	150	140	77	701	77	99	S'	200
			Frequency (Mc)	,013	150.	. 160	. 495	م، ح	5	0/	20
						·	I				

Fam = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

*** No March or April Data

*** May 1962		8	Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lan								
6		-24	1 30								1
, k		2000-2400	no								1
Ma		20	, E	15-9	146	130	107				1
***									-		1
24.5		8	dm L								1
*		1600-2000	۷ مر								1
ic yic		8	n _O								1
)		16(a m	8-51	147	/30	ho/				1
prin			- Fi								1
Suc		8	dm L								-
easc	F	1200-1600	V DO								1
Ś	(LS	0	n								1
. 5W	S)	120	am	157	144	/3/	601				1
5-82	TIME BLOCKS (LST)		뜨	~				-		<u> </u>	4
.67	ם	0	dh Lo		-						1
ong-	IME	0800-1200) A (1
	-	0	n								1
_ Lat0-10N _ Long.67.5-82.5W Season Spring_(_***		080	Dr Vamlam Fam Du Dr Vamlam Fam	7.5/	6/11	/3/	701				1
+			up-								1
La		300	V _{dm} l								1
		0400-0800	ďQ								1
		400	Du								
anin		Ŏ	Fam	157	151	130	to/				
田井											1
SNS		400	J mb								1
Station USNS Eltanin		0000-0400	Fam Du De Vam Lam								1
ion		000	٥								
Stat		ŏ	Fam	15-9	151	/37	113				
			Frequency (Mc)	. 0/3		091	264.				

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db D_{ℓ} = ratio of median to lower decile in db

 $V_{dm} = \text{median deviation of average voltage in db below mean power}$

Ldm = median deviation of average logarithm in db below mean power

*** No March or April Data

25		0	Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam						
*** 19 62		2000 - 2400	> 70						
		0-1	DR						
***		8	D						
		2	Fam	691	150	601	801		
***			Ldm						
		1600-2000	/dm						
me		-2	Zq						
J.		000	٥						
mer		9	Fam	164	146	127	107		
Sum			Ldm				and manifestation		
300		000	Vdm						
Seas	ST)	1200-1600	De						
≥.	F	00	م						
Lat. 0-10N Long. 67, 5-82, 5W Season Summer (June	TIME BLOCKS (LST)	12	Fam	191	841	129	105		
7,5	5		L d						
g.6	Ш	8	V _{dm}				Military and an additional control of the control o		
Lon	Σ	0800 - 1200	70						
Z		8	٥						
0-10		ŏ	Fam	160	141	125	101		
# .			L-dm						
L		0800	Vdm						
		0							
		0400-	۵						
Station USNS Eltanin		Ŏ	Fam Du De Vam Lam Fam Du	166	150	77/	103		
S E			Ldm						
USN		400	V _{dm}						
		0-	De						
ion		0000-0400	2						
Stat		ŏ	Fam	169	151	134	801		
			Frequency (Mc)	. 013	057	160	495		

Fam = median value of effective antenna noise in db above ktb

Ldm = median deviation of average logarithm in db below mean power $D_{u}=ratio$ of upper decile to median in db $D_{\mathcal{L}}=ratio$ of median to lower decile in db $V_{dm}=median$ deviation of average voltage in db below mean power

*** No July or August Data

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

			Ldm	13.5	12.5	0.0/	11.5				
*** 1962		2000-2400	V _{dm}	8.0	8.0	Sis	6.0				
		1-2	06								
*		8	n _Q								
		Š	Fam	851	8.5 14.5 139	117	66	72	20	40	33
***			Ldm	0.5/	14.5	9.0 14.5	10.5 12.0				
		1600-2000	/dm	20	25.5	9.0	5.01				
[u <u>ne</u>		-2	ZQ								
		8	۵								
ter		9	Fam	157	15.0 129	101	8	8-8	99	36	3
Win			Ldm	14.0	15.0	15.0	7.0 10.5				
nos		900	Vdm	8,5	9.0	9.0	7.0				
Seas	ST)	1200-1600	ØQ								
≱.	E.	00	o								
Lat. 0-10S Long.67.5-82.5W Season Winter (June	TIME BLOCKS (LST)	. 12	Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam	15-7	11.0 175 129	49	49	200	43	26	30
7.5-	310		Ldm	11.5 17.0	175	10.5 18.0	8.0				
. jo	田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田	200	Vdm	11.5	11.0	5.01	2.0				
ار	Ĭ.	-15	Ja								
S		0800 - 1200	٥								
0-10		ŏ	De Vam Lam Fam Du De Vam Lam	h_5/	45 16.0 124	93	99	38	43	28	28
±.			Ldm	9.5- 16.0	0.9/	8.0 14.0	9.5 10.0				
۲		-0800	Vdm	9.5	2.6	8.0	9.5				
		Õ-	DR								
r.		0400	۵								
Station USNS Eltanin		Ŏ	Fam	15-6	136	701	80	9	63	36	28
H SI		(Ldm	14.5	/3.0	70.5	70.5				
USD		400	Vdm	8,5	8.0	کړک	6.0				
		0000-0400	Du De Vam Lam								
ion		8	Pa								
Stat		ŏ	Fam	15-8	140	611	86	μ	89	39	29
			Frequency (Mc)	, 0/3	, 051	160	. 495-	15,8	7	0/	20

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

 $D_{\mathcal{L}}=$ ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

*** No July or August Data

			Ldm	5.0 10.0	12.0	0.8/	11.5				
*** 1962		2000-2400	Vdm	5.0	6.5	6.0	5.0				
(-2	DR								
*			n								
H		2(Fam	8.0 125 159	140	05/ 0.9/	103	75	67	39	3
* *			Ldm	72.5	13.0	0.9/	5.5 12.0				
		8	V _{dm}	0.0	7.0	9.0	5.5				
une		1600-2000	70								
J.		000	۵								
ter		91	Fam	8_5/	135	110	92	74	26	30	Z,
Win			-F B			15.0					
-No:		1200-1600	/dm			8.5 15.0					
Seas	ST)	1	De								
≯ .	E	8	o								
Long.82.5-97.5W Season Winter (June	TIME BLOCKS (LST)	12	Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam	101	134	102	76	38	46	30	2
. 5-	Ĭ.		Ę	9.0							
g.82	E	8	/dm	130 19.0							
Lon	Ĭ.	-12	70								
		0800-1200	D _O								
Lat. 0-10S		08	Fam	157	128	100	28	50	42	رې	35
+			D& Vdm Ldm								
- La		080	/dm								
			₹Q								
		0400-	۵								
anir		0	Fam Du								
Elt			튜								
SNS		8	dm L		_						
Ď		0000-0400	V &C								
Z 		-00) nc								
Station USNS Eltanin		00	Fam Du De Vam Lam								
0)							1				
			Frequency (Mc)	. 0/3	.057	09/	56h	12.4	5	0/	20

Fam = median value of effective antenna noise in db above ktb

 $D_{m u}$ = ratio of upper decile to median in db $D_{m \ell}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

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*** No July or August Data

2			Ldm		12.5	11.0	8.5 15.0				
9		400	N _d m		8.0	6.5	12:0				
_ (1-2	De								
***) 19_62		2000-2400	۵								
1		2	r _e	8.5 13.5 152	851 5:51 5:01	01/	92	67	74	7	30
***			mb J	13.5	15.5	20.5	16.0				
1		8	Ag .	8.5	10.5	5.06 5.61	9.0				
ine		1600-2000	70								
4		8	n								
er		91	Fam	11.0 16.5 157	116	95-	3	5-8	70	39	32
Vint			Ę.	76.5	17.0	0./2					
on 3		000	/da	1/.0	11.0 17.0	0.10 0.10					
Seas	ST)	1200-1600	DR								
	5	00	٦								
Lat. 10-20S Long. 67.5-82.5W Season Winter (June	TIME BLOCKS (LST)	12	Fom Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam	156	117	86	66	33	54	26	28
-5-	CO		mp-		20.5	ارچرور	7.0				
9.6	E	00	V _{dm}	13,0 19.0	14,0 20.5	2,06 0.El	3,0				
Lo	M	-12	De								
S		0800-1200	۵								
0-50		30	Fam	15.2	011	85	65	حي	14	26	8
= -			D& Vdm Ldm	17.0	16.5	S'M 5'6	5.5 9.0				
٦		-0800	Vdm	1/10 17.0	10.5 16.5	95	75,5				
		Õ	J O								
я		0400	٦								
USNS Eltanin		Ŏ	Fam	153	126	67	74	5-2	49	35	30
IS E			Ldm	15.0	12.5	1250	12.5				
USN		400	V _d m	9.0	7.0	6.0	10.0				
		0-	DR								
ion		0000-0400	Da								
Station		ŏ	Fam Du De Vam Lam	/53	732	7115	46	89	79	40	30
			Frequency (Mc)	. 0/3	150	091.	. 495	7,5	72	10	20

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

 L_{dm} = median deviation of average logarithm in db below mean power

* * * * No July or August Data

2			Ldn	8.5 14.0	is.	6.0 11.5	7.0 13.0				
***) 19_62		2000-2400	/dm	12.90	7,5 12.5	6.0	7.0				
.) _		-2	De								
*		8	na								
*		2	ng m	145	77	h0/	88	79	99	53	30
***			Ę.	7.5 12.5 145	14.5 122	16.0	12.5				
		8	V _{dm}	7.5.	9.0	8.0	7.0				
ine		1600-2000	Za								
J		8	۵								
r_(9	, E	5.0	7	93	₹ %	57	62	50	3,
inte			眶	10.0 15.5 15-0	Z11 0.51 2.01	518	11.5		j		
M NC		8	dm L	1,0.0	0.5	13.0 18.5	80 //				
eas	Ţ	91-	DE								
S	(LS	1200-1600	3								
Lat. 20-30S Long.67.5-82.5W Season Winter (June	TIME BLOCKS (LST)	120	De Vamlan Fam Du De Vamlam Fam Du De Vamlam Fam Du De Vamlam Fam Du De Vamlam Fam Du De Vamlam	h_5/	(/)	3	19	32	36	32	30
5-8	007		Ę	0.61	18.5	5.05					
g.67	E B	8	Vdm ^L	12.5 19.0	12.5 18.5	2.06 Z.W	5:5/ 0.2/				
Lon	MI	-12	70								
		0800-1200	۵								
-308		08	Fam	146	11.0 18.0 1.06	78	576	32	35	32	28
1 .20			dm	11.0 17.0 146	18.0	10.0 17.5 78	85 15.0 56				
2		300	\dm\	11.0	0//	0.01	25.8				
		0400-0800	ď								
in		9	D _u			,					
USNS Eltanin		0	Fam Du	142	119	89	68	5.5"	576	41	28
NS E			Du De Vam Lam	14.5	14.5	0.01	13,0				
USI		0000-0400	Vdm	9.0	8.0	0.9	6.5				
		0-	ďQ								
ion		8	Da								
Station.		ŏ	Fam	143	he/	701	98	65	28	84	88
			Frequency (Mc)	. 013	1-50	09/	-49s-	2,5	b	01	مر

 $F_{\mbox{\scriptsize am}}$ = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

*** No July or August Data

	Static	no	Station USNS Eltanin	Eltan	uin	Lat.	30-	40S	Long	g.67.5	-82.5	M M	Seaso	Lat. 30-40S Long.67.5-82.5W Season Winter (June July Aug.) 19.62)	Tur	- J	Iuly	TITE OF THE PERSON NAMED IN COLUMN TO SERVICE OF THE PERSON NAMED IN COLUMN TO		19,	4
									ΣI	TIME BLOCKS (LST)	CKS	3	ST)									
	00	00	0000-0400		0400	-0800		080	0800 - 1200	00	-	00	1200-1600	0)91	00	1600-2000		200	2000-2400	240	0
Frequency (Mc)	Fam	O D	Fam Du De Vam Lam	drn Fam	n Du	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	m	am Du	JQ '	Vdm	Fam	٥	De Vo	up-J mt	Fam	ם ה	Ve Vam	Ldm	Fam D	D,	/q	m Ldrr
*																						
. 013	151			150	0		7	841			751				(S)				hh/			
*																						
,05-1	131			12)	7		'/	1/2			107				110				127			
**											,											
09/	111		•	95	50			92			96				90				105			
*											_											_
.495	86			75	_		_	70			e te				22				98			
***																						_
2.5	99			9			٠,	52			5.6				63				69			

الم	28			5-8	2		7	46			76				2.8				77		-	

10	47			44			7	1/			45				50				47			
K yes																						
20	38			29	-		n	30			34				45				30	-		

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

D. = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power Ldm = median deviation of average logarithm in db below mean power

* * No June or August Data

* * * No July Data

7		0	- G								
961		240	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\								
		-0	, D,								
July Aug.) 1962		2000-2400	D L	-9	0		~	~			d
7			πp	146	109	100	83	59	9	1/	32
Jul			-fan								
		Ö	> _p								
* * *		1600-2000	7 0								
		900	ص ح	~							
ter			"p	143	102	84	76				32
Win			Ldm I								
son.		009	\ dr								
Sed	ST	1200-1600	DR								
ΜS	(1)	200	a								
82,	TIME BLOCKS (LST)		F _a	Shl	103	26	49				
. 5-	310		Ldm								
1g.67	E	200	/dm								
Lo	TIN	0800 - 1200	70								
S		900	۵								
Lat. 40-50S Long.67, 5-82, 5W Season Winter (***		õ	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	141	86	77	09				
+			Ldm								
		-0800	Vdm								
д		0400	۵								
tani		O	T _P	139	108	2	71				
S E			Ldm								
USD		400	V dm								
		0-	Ja								
Station USNS Eltanin		0000-0400	Fam Du De Vam Lam								
Stal		Ŏ	Fam	146	120	99	80				
			Frequency (Mc)	. 0/3	150.	09/	495	* * *	*	0/	**

Fam = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

^{* *} No June or July Data

^{* * *} No June Data

	Sta	Station_		USNS Eltanin	ü		- Lat.	50-6	SO	Lol	Lat. 50-60S Long52. 5-67.5W	5-67.5	M	Sedson Winter (***	ter_(**		717	Inly Ang)	1	19_62	59
										Ĭ.	TIME BLOCKS (LST)	OCKS	(1)	ST)								
	0	000	0000-0400	0	0400	0-0	0080-	0	800	1-(0800-1200		200	1200-1600	91	-00	1600-2000		200	2000-2400	240	0
Frequency (Mc)	Fam	٥	Fam Du De Vam Lam	m Fam Du	٥	_	Vdm Ldr	Fan	D _u	De	Vdm	m Fam	D	Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Du Dr Vam Lam Fam Du Dr Vam Lam	Fam	Da	Je Vam	-da	Pam [O n	lo Vd	m Ldn
. 013	141			143				/38				141			144				hh/			
1-50	1/3			801				100				97			×0/				110			
. 160	68			84				75'				36			38				96			
.495	the			99				09				62			70				3/2			
J X	5			50				37				84			55				Ç			
15	C			09				40				40			49				50			
01	44			97				20				tro			28				50			
20	27			8				29				30			28				27			

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db D_{ℓ} = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power

7)	Ldm								
96		2000-2400	Vdm								
)-2	De								
an		00	Da								
July_Aug_) 19.62_		2	Fam	hh/	611	8	80	5.5	25	30	28
цу			Ldm								
1		1600-2000	V _{dm}								
*		1-2	De								
		900	م								
er		1	Fam	(h)	401	80	73	42	43	39	× ×
Lat. 50-60S_Long.67.5-82.5W Season Winter_(***			Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm								
son		900	/da								
Sea	ST)	1200-1600	0,6								
2W	7	20	٦								
.82.	TIME BLOCKS (LST)	=	Fam	747	92	72	5.5	40	36	34	200
7.5-	310		Ldm								
.9.6ı	回	8	V _{dm}								
Lo	≥	0800 - 1200	0								
SO		300	٥								
9-0		õ	Fam	147	49	μL	57	7	38	36	30
= 5			Ldm								
L		0800	Vdm								
			₹Q								
ц		0400-	Da								
tani		Ò	Fam	141	201	8	67	57	40	30	8
SEI			Ldm								
USN		4	Du De Van Lam								
		9	ď								
Station USNS Eltanin		0000-0400	م								
Sta		Ō	r _e	041	4	80	80	5-2	58	37	26
			λος	~	,	0	495	1			
			requency (Mc)	. 0/3	1750	09/	49	1 1/2		0/	000
			T.					*	*	*	*

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 $V_{dm} = \text{median deviation of average voltage in db below mean power}$

Ldm = median deviation of average logarithm in db below mean power

** No June or July Data

* * * No June Data

Lat. 60-70S Long.52, 5-67, 5W Season Winter (*** July Aug.) 1962	
500-2000 2000- Du Dr Vdm Ldm Fam Du 143 143 167	
200-2000 6 Du Dr Vdm Ldm Fan	
500 – 2000 Du Dz Vdm Ldr	
% 7g ng ng ng ng ng ng ng ng ng ng ng ng ng	
* 000	
16 16 18 136 198 188 188 188 188 188 188 188 188 188	2 4 44 2 2 3
Wint	
los de la constant de	
Seq. (1 S. 1)	
KS (LST) 1200 – 1600 Fam Du Dr Vamb 94	
CKS 12 12 13 13 13 13 13 13	30 40 40 40 40 828
Long.52, 5-67, 5W Seas S	
ME NEW CONTRACTOR OF THE NEW CONTRACTOR OF T	
JF O O	
70SO – 1200 Fam Du Dr VamLe 104 81	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Lat. 60-70S Long.52, 5-67, 5W Season Winter	
Lat Cat	
-0800 -0800 Dr V _{dm} L	
8 3	
Ltan C C C C 1/4 / 1/8 / 1/8	2 de 4 53 66 6
Vdm Ldm Fam 1.18 1.18 5.0	
ation USNS	
Station USINS EI 0000 - 0400 Fam Du De Vam Lam	00 2 7 7 9 0
Sta 0 0 0 1/18 1/18 1/18 9/6	
Frequency (Mc) . 0/3	* * * * * * * * * * * * * * * * * * * *

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db

De = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

* * No June or July Data

*** No June Data

Station USNS Estania Lat. 30-40S Long 67. 5-82. 5W Season Spring Sept. **** Nov. 15	7			٩	8.5 15.0	10.0	4,5- 9.5	4,5 8.0				
Station USNS Eltanin 0000 - 0400 0400 Fam Du Dr Vam Lam Fam Du 1.57	9		400	\ h	200	6.0	45	4.5				
Station USNS Eltanin 0000 - 0400 0400 Fam Du Dr Vam Lam Fam Du 1.57	_		7-2	De								
Station USNS Eltanin 0000 - 0400 0400 Fam Du Dr Vam Lam Fam Du 1.57	70		8	n								
Station USNS Eltanin USNS Elta	4		Ö	r _{am}	35	130	110	46	89	90	S	3,
Station USNS Eltanin USNS Elta	* * * *			-dm	1/15	17.5	9.0	7.57				
Station USNS Eltanin USNS Elta			8	/dm	7.0	6.0	45	3,5				
Station USNS Eltanin USNS Elta	ept		-2(Za								
Station USNS Eltanin USNS Elta	<u>9</u>		80	۵								
Station USNS Eltanin USNS Elta	an		9	Fam	15.5	125	66	<i>k8</i>	57	59	5	34
Station USNS Eltanin USNS Elta	Spri			L dm	12.5	11.5	12.5	5.5				
Station USNS Eltanin USNS Elta	NO.		300	V _{dm}	7.0	6.0	6.5	2.5				
Station USNS Eltanin USNS Elta	Seas	ST)	1-16	De								
Station USNS Eltanin USNS Elta	M		8	ص								
Station USNS Eltanin USNS Elta	32.5	XXS	12	Fam	157	124	90	11	50	45	46	35
Station USNS Eltanin USNS Elta	5-8	LOC		Ę.	15.57		12.0	7.0				
Station USNS Eltanin USNS Elta	g.62	E B	00	Ndm/	15.8	100	8,0					
Station USNS Eltanin USNS Elta	Lon	TIM	21-	7 0								
Station USNS Eltanin USNS Elta	S		300	۵								
Station USNS Eltanin USNS Elta	0-40		ő	Fam	151	115	87	70	49	43	43	35
Station USNS Eltanin USNS Elta	1.3			Ldm	17.0	15.0	9.0	8.5				
Station USNS Eltanin USNS Elta	- La		300	V _{dm}	9.5	8.0	4.5	5.0				
Station USNS Elte 50000			Õ—	γa								
Station USNS Elte 50000	i.e		400	D								
	ltan		Ŏ	F _m	151	8/	90	2	5-1	53	50	3/
	IS E			Ldm Ldm	16.0	13,0	511	13.0				
	USD		400	Vdm	9.5		6.0	45				
			0-0	De								
	lion.		000	D _u								
	Sta		Ŏ	Fam	150	127	105	88	62	5-7	84	20
				Frequency (Mc)			09/	. 495	ż	اک	/0	20

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

*** No October Data

7			ړ	10	77	17	2.	3	6	2.	o,
96		400	Vdr	10.0	6.5	5.5 ///	45 95	3.0	3.5	4.5 7.0	4.0 6.5
)		2000-2400	De								
0V.		8	۵								
*** Nov.) 19 62		50	Fam Du De Vam La	/53	127	701	93	89	49	1/2	5.0 8.0 30
*			E P	7.0 12:5	7.0 12.5	6.5 11.5	8,0	40	3,5 5.5	3,5 5.0	0.8
		8	/dm	7.0	7.0	15.9	4.0	2.5 40	1,2,	3,5	5.0
ote		-20	ρ								
Sel		1600-2000	٦								
)91	E	150	817	6	6	53	m	6	6
ring			L E	-			5.5 9.5 79	- 12 12	53	3.5 5.5 49	3.0 4.0 29
Sp		C	n L dr	12.0	7.5 12.5	9.0 14.0	19	3.5 5.5	3.0 4.5	3.5	7
ISON		1200-1600	\ \d	7.0	7.5	0.0	5.2	3.5	<i>₹</i>	5.5	3.0
Sec	ST	Ī	De								
≿ı	7	00	a								
32, 51	TIME BLOCKS (LST)	21	Fam	153	115	54	70	14	37	5.0 8.0 36	3.0 4.0 29
5-	30		Ldm	9.0 14.0	11.0	8.0 14.0	5.5	4.0		8.0	4.0
1 967	E	0800 - 1200	Vdm	9.0	6.0	8.0	2.5	3.0		5.0	3.0
P	M	-12	De								
		8	Da								
Lat. 40-50S Long67.5-82.5W Season Spring (Sept.		08	Fam Du De VamLam Fam Du De VamLam Fam Du De VamLam	£-5/	117	Z	69	34	755	37	30
4.4			De Vam Lam	14.5	9.0 14.5	8.0 13.5	2.5	5://	8.0	6.0 9.0	3.0 4.0
٦		8	\dm	9.0 14.5	9.0	8.0	4.0 8.5	8.0 11.5	5.0 8.0	0.9	3.0
		0-0800	D.A.								
		8	n _Q								
nin		040	Fam	152	811	98	70	84	5.3	48	0
<u>Ilta</u>											30
IS I		0	De Vam Lam	10.0 16.0	15.0	10.0	9.5	7.5	5.0 7.5	7.0	10.0 12.0
USI		940	\ p	10.0	8.5	5.0	4.5	5.0	5.0	4.0	10.0
)-(Pa								
tion		0000-0400	Fam Du								
Station USNS Eltanin		0	Fam	/53	/30	107	2,	99	79	97	30
			Frequency (Mc)	, 0/3	150.	160	-564.	**	** 5	0/	***

Fam = median value of effective antenna noise in db above ktb

 $D_{m{u}}$ = ratio of upper decile to median in db $D_{m{\mathcal{E}}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

No September or October Data for Log and Voltage

*** No November Data

7		0	Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam	7.5 14.0	6.0 10.5	5.0 10.5	9.5	3.5 6.0	4.0 6.5	3.5 5.5	3.0 4.0
19.62		240	>0	7.5	9	4	4.0	ω. .δ.	2	w.	2
_		<u>-</u> (De								
***		2000-2400	n _Q								
*		0	Fam	841 50/ 5:5	811	16	98	09	3.0 5.0 58	43	2.5 4.0 27
Det.			Ld mb	20/	9.0	8.0	7.0	3.0 5.5	50	2.5 5.0	4.0
		1600-2000	\dh	15.2	5,0	4.0	3.0	3.0	20.0	2,5	الم الم
ept.		-2	70								
s		8	۵								
ng		9	Fam	149	107	75-	11	6.5 8.0 48	49	43	2.5 35 28
pri			-d m	9.0	7.0	7.0	6.0	000	15.0	4.5	3.5
S UO		8	/dm	4.5	ري ري	4.0	2.0 6.0	15.0	4.5 6.5 49	2.5 4.5	2.5
Seas	ST)	1200-1600	De								
V .	(L.	8	ص								
Lat. 50-60S Long52.5-67.5W Sedson Spring (Sept. Oct. ***)	TIME BLOCKS (LST)	12	De Vamlam Fam Du De Vamlam Fam	6.0 10.5 148	401	20	99	42	36	35	8
5-6	100		Ę	70.5	0.1/	8.5	0.%	6.5	9.0		45 65 38
g52.	E B	8	P P	6.0	6.5 11.0	5,5	20.0	3.5 6.5	6.0	2.5 5.5	4.5,
ľ	TIM	0800 - 1200	70								
S		8	o O								
09-0		80	Fam	8.5 14.0 143	101	69	4.0 10.0 68	4.0 6.5 32	34	37	1.5 3.5 28
1 . 5			E P	14.0	101 5.51 2.01	8.5 13.0	10.0	6.5	4.5 7.5 34		3.5
, La		8	/dm	9.5	70.5	5.5	4.0	4.0	4.5	3.0 6.0	1,5,
		0400-0800	J O								
		8	۵								
Station USNS Eltanin		0	Fam Du	147	116	84	74	49	5.3	43	27
S E11			Ldm	10.5 17.0	18.55	/3.6	5.5 /// 0	7.0	7.5	2,2	2.5 4.0
ISIN		400	Vdm	10.5	5.8	7.0 /3.0	15.2	4.0	Sio	3.0	A.S,
1		0000-0400	De								
ion.		00	Da								
Stat		ŏ	Fam Du De Vam Lam	146	120	96	85	5-5	ps.	45	27
			Frequency (Mc)	. 013	1-50	. 160	. 495-	ري کا	/2	0/	20
			uL.								

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

*** No November Data

Station USNS Eltanin	SNS E	ltanin	Lat.	7 - 509-09	ong.67_5-	82. 5W	Season Spr	Lat. 50-60S Long.67.5-82.5W Season Spring (Sept. Oct. Nov.) 19.62	Oct	Nov	19.62
	L			F	TIME BLOCKS (LST)	CKS (L	ST)				
0000-0400		0400-	0-0800	0800-1200	1200	1200	1200-1600	1600-2000	8	2000	2000-2400
Fam Du De Vam Lam		Fam Du [OR Vdm Ldm	Fam Du D	& Vdm Ldm	Fam Du	De Vam Lan	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	dm Ldm	Fam Du	Je Vem L
9,0 15.0		143	9,0 14,5 146	146	8.0 12.5 150	150	5.0 11.0 145		7.5- 13.0 147	147	85 13.5
901 511 5.9		901	8.0 16.5 103	/03	8.5 140 106	907	6.0 10.5 108		5.5 105 117	117	6.0 //.c
5.5 11.0	,	74	8,5 /3.0	21	10.0 15.0	1/	11.0 15.0	27	6.5 10.5	52	5.0 10.3
5.0 9.5 62	,	7,9	4.0 7.0 64	79	3.5 8.0	8.0 62	3.5 6.5 71		4.5 7.0	100	4.0 8.5
3,5 6,0 4	1,	44	6.0 9.0 37	37	6.0 9.0 42	42	4.0 5.0 5.1		3.5 6.0 59	59	3.5- 6.5
3,5 5,5 1	7	45	6.0 8.5 32	32	5.0 7.5 34	34	4,0 6.0 49		40 6.0 57	57	4.0 6.5
3.5 5.5		42	4,5 7,5 34	34	4.0 6.5 35	35	3.0 5.0	45	3.0 5.5 46	76	5,0 7,5
2.5 4.0		27	3.5 5.0 27		2.5 4.5 28	87	2.5 4.0 28		3.5 5.0 28	28	3.0 4.5

Fam = median value of effective antenna noise in db above ktb

 $D_{\mathbf{u}}$ = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

1			Ldr	85 13.5	/0.0	10.0	7.0	6.0	2.8	5.0 7.0	3.0 4.0
७		400	V dr	85	0.9	6.0	3,0	4.0	5.5	5.0	3.0
		1-2	De								
οv		2000 - 2400	na								
7		2	Fam	8.0 /3.0 143	7.0 /3.0 // 6	88	2.5 6.0 79	5-9	54	43	2.0 3.0 28
ct			Ę	/3.0	/3.0	7.0	6.0	3.0 5.5	3.0 5.0 54	3.5 5.0 43	3.0
9		00	Agh M	0%	7.0	4.0	25.	3.0	3.0	3,5	9.0 0
*		-20	ρζ								
*		1600-2000	D								
) Bu		9	Fam	44	106	73	89	49	94	7	8
Spri			-dm	15.0	0.0/	0.0	0.9	4.5	75	3,5	2.5 3.5 28
On o		8	Vdm/	6.0 10.5	5:5 10.0	7.0 10.0	2.5 6.0	3.0 4.5	4.5 6.5	2.5 0.6	25.6
eds	(T	9 -	De				_				i
) >	(1.5	1200-1600	na								
2.5	TIME BLOCKS (LST)	12	Fam	941	401	67	63	40	36	30	27
5-8	007		mb-	146 135 146	0.0	11.5	75 63				1.5 3.0 27
g 67	EB	00	V _{dm} l	11.5	7.0 A.0	7.0 11.5	4.0	3.0 6.0	5.0 7.5	2.0 4.0	1,51
Lon	TIM	0800 - 1200	De								
S		8	Da								
_ Lat. <u>60-70S</u> _Long67.5-82.5W Season_Spring_(<u>***</u> _Oct_Nov_) 1962_		80	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	145	103	69	62	35	33	26	28
t.			u-p	7.0 14.0 145	45 12.0 103	3.0 10.5	15.0	7.5-	75.	3,0 5.0	1,5 3.0 28
- La		-0800	Vdm	7.0	45	3.0	6.0 15.0	5.0 7.5	5.5 7.5	3,0	15,
		ŏ	DR								
		0400	n _Q								
Station USNS Eltanin		0	Fam	143	/03	72	42	40	44	39	50
回			Æ	13.5		4.5 8.5	8.5	6,5	7.0		35 45 29
SINS		400	Vdm	9.0 /3.5	2.01 0.7	2.4	4.0	4.0	S.D	4.0 5.5	35
		0-	ďq								
ion		0000-0400	Fam Du De Vam Lam								
Stat		Ŏ	Fam	142	2	87	73	52	51	45	8
			cy	~		0		1			*****
			equency (Mc)	10	150	. 160	.495	2.5	12	0 /	80
			Fr	* '	*	*	*				

 F_{am} = median value of effective antenna noise in db above ktb

 $D_{\mathbf{u}}$ = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

* # No September or November Data

* * * No September Data

			در	3	12.	00	i	00	2	2.	~
962		2000-2400	V _{dm} L _d	2.0	%	4.0	3.0	5 45	3.5 7.	4 2.5 4	3 1.0 2.
_		-2	De	m	9	9	0/	12	2		
ž		8	Du	~	7	9	0/ 0/	00	7	12	4
Oct. Nov.) 1962		50	Fam Du De Vam Lam Fam Du De	154 2	122	100	83	5.7	52	36	8/
g			L p	12.0	14.0	8.0	4.0	0.01	7.0	7.0	3,57
		8	dm.	7.0	8.5 14.0	40	٥.۶	5,5 10.0	4.0	7.0	1.5 3.5
tda		-20	ZO	3 7.0 12.0	9	4 4.0	0/	رک	4	72	~
Sept		1600-2000	۵	n	6	7	14 10 2.0 4.0	9	7	7	~
		91	Fam	151	116	89	72	50	49	43	20
Fa11			₽ E	/3.0	15.5	2.0	4.0	15	7.5	000	4.0
on		8	\dm 	8,0 /3.0	9.5 15.5	4.0	80	35 6.5	4 4.5 7.5	6 4.5 8.0	2.0 4.0
Season Fall	Ę	1200-1600	De Vam Lam	m	∞	9	12	7	7	9	m
0,	13	8	ص	4	0	∞	10	9	8	9	7
田田	TIME BLOCKS (LST)	12	Du De Vam Lam Fam Du	150	///	82	5.6	33	3,	47	20
7	J		mb-	18.0	17.5	6.5	4,5	8.0	6.0	8.0	3,5,
_Long17.3E	H H	8	V _{dm}	4 11.0 18.0	9 10 10.5 17.5	6 3,5 6.5	2.5		6 3.5 6.0	5 5.5 8.0	3 1.5 3.5
Po	Σ	-12	De	7	0/	9	3 2.5	4 4.5	6	7	~
- 1		0800-1200	Du	ω	0	7	6	9	7	7	4
Lat. 59, 5N		80	Fam	150	///	00	53	23	32	42	3 1.5 30 20 4
***			Du De Vam Lam	2 10.0 17.0	6 10.5 16.5	7.5	5,0	0.0/	8.5	%.0	30
۲		300	V _{dm}	0.0/	10.5	3,5	3.0	5.5 10.0	4.5	5,0	1.5
		0-0800	DR	4	9		7	2	4	4	n
len		8	Du	m	9	10	00	6	12	7	76
Station Enkoping, Sweden		040	Fam	15-3	811	3	79	50	48	38	18
nge			mp-	0.51	140	9.0	0.9	9.5-	8.5	45	3.0
kopi		400	Vdm	9.0	8.0 14.0	4.5	25.	5.0 9.5	4.5	3 2.0 4.5	3 1.0 3.0
Enj		0-	DR	2 90	9	6 45	5	,2	7	W	2
ion		0000-0400	Da	~		12	00		4	7	/
Stat		ŏ	Fam Du De Vam Lam	154	ا ۲۲/	00/	83	2/8-5	52	33	18
			Frequency (Mc)	610,	1-50.		-sbt.	2.5	1,5	10	20

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 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db D_L = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

			L							
1962		400	Vdm							
<u>~</u>		-2	De	9	0	٦	7	~	/	
N.		2000-2400	Du	2	2	00	9	4		
Season Fall (Sept. Oct. Nov.)		20	m mg	801	86	65	62	40	74	
ot.			-dm							
9		1600-2000	J mb/							
-tde		-22	γq	2	7	9	و	3	૪	
)S		8	n	h1 86	4	10	9	4	8	
1		91	Fam	86	69 12	53 10 6	54	43 4 3	26	
Fal			튬							
-uo		000	/dm							
Seas	ST)	9 -	DR	9	5	4	h	· N	~	
	(L.	00	٥	5	0	9	2	5	~	
M	TIME BLOCKS (LST)	1200-1600	Fam	92	619	33	36	40	29 2 2	
8.2	LOC									
9.7	E B	00	J mb							
Lon	TIM	0800 - 1200	De	5	7	ħ	7	d		
		00	Du	2 01	7 4	4	5	9	/	
Station Front Royal, Virginia Lat. 38, 8N Long. 78, 2W		80	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	96	5.9	32	36	38	26	
11.3			Ldm							
1		-0800	/dm							
inia		Ŏ-	DR	0	9	1-5	7	જ	_	
Zirg.		0400	D	6	9	8	9	7	/	
le		Ŏ	Fam Du De Vam Lam Fam Du	100	70	5.5	15.5	37	2,	
Roy			Ldm							
cont		0000-0400	Vdm							
F		0-	DR	9	9	12	7	~		
ion.		000	Dn	7	9	8	~9	m	_	
Stat		ŏ	Fam	801	9 88	97	19	30	~ ~	
			Frequency (Mc)	./35	, 500	2.6	2-5	0/	20	
							1			

 $F_{\mbox{am}}$ = median value of effective antenna noise in db above ktb

 D_u = ratio of upper decile to median in db D_{ℓ} = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power V_{dm} = median deviation of average logarithm in db below mean power

7			٦	16	17.	19.	00				
9		400	V _{dm} L _d	10.01	11.0 17.	11.5 19.	.8/ 0.//				
_		-2	De	3	4	7	7	4	4	٦	,
X		2000-2400	D _u D _e	7	7	0/	10	7	9	4	/
Sedson_Fall (Sept. Oct. Nov.) 19 62		20	Vdm Ldm Fam	151	121	66	80	54	6#	39	24
ct			Ldm	19.5	16.0	15.5	10.0				
9		00	V _{dm}	12.0	10.5 16.0	9.5 15.5	6.5				
pt.		-2(DE	3	7	9	9	4	4	5	7
Se		1600-2000	٦	¥	9/	12	13	00	9	5	7
٦		91	Fam	148	601	18	19	40	37	33	25
Fal			-d	20.0	19.0	17.0	9.0				
on_		000	V _{dm}	4 13.0 20.0	13.0 19.0	10.5 17.0	5.5 9.0				
seas	£	1200-1600	De Vam Lam	7	e	7	7	n	7	3	/
0)	(LS	00	Dn	*	10	20	17	00	n	9	3
S	TIME BLOCKS (LST)	12	Du De Vam Lam Fam	4 11.5 17.5 149	601	74	52	3/	26	20	22
59.7	Č		mp-	17.5	19.0	18.5	8.5				
g. 1	E	00	V _{dm}	11.5	12.5 19.0	11.5 18.5	5.5 8.5				
Lon	TIM	-12	Ja	7	9	7	4	7	7	8	,
z		0800-1200	Du	7	0/	17	16	7	7	7	/
Lat. 22.0 N Long. 159.7 S		80	Fam	11.5 18.0 150	110	75	53	35	200	20	22
±.			Ldm	18.0	19.5	78.5	9.0 15.5				
Lo		0-0800	D& Vam Lam	11.5	12.0	11.0	9.0				
		Õ	γQ	83	لم	6	00	9	7	*	0
::		0400	D _U	က	4	9	11	e	7	7	2
awa		ő	Fam	154	127	97	22	54	47	3/	23
H			щþ	17.5	11.0 17.5 127	18.5	20.0				
kahi		400	Vdm	11.0 17.5	11.0	0.11	11.5 20.0				
Ke		0000-0400	ďQ	n	9	8	00	7	9	7	`
ion -		000	م	3	6	7	1	7	7	47	'
Station Kekaha, Hawaii		00	Fam Du De Vam Lam	153	128	105	80	57	55	37	23
			Frequency (Mc)	.0/3	150.	091.	264.	2.5	h	0/	20

0

3.0

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power

Season Spring (Sept. Oct. Nov.) 19 62		0 2000-2400	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldn	141 8 3	136 13 5	112 17 6	98 13 7	01 6 +6	62 9 4	44 6 4	24 7 5								
Sept		1600-2000	De Ve	6 3	3 6	// ٢٥	90 24 13	5 2	9 1.	4 5	00								
ring_(.		160	n Fam c	143 6	136 13	11 601	900	6615	11 19	48	3/ 7								
edson_Sp	T)	1200-1600	De VamLar	. +	7	7	/3	00	6	6	7								
Š	(LS	0	٦		9/	161	33			0/	7								
三三	CKS	120	Fam	142 5	134 10	21 61 001	78 33 /3	H1 75	48 13	20/00/	30 6 7								
1g. 28.3	TIME BLOCKS (LST)	500	VdmlLdm																
Lo		0800-1200	0	7	6	10	65 29 5	0	00	7	7								
			800	۵	134 7	۲/	88 20 10	29	51 5 8	8	30 11	7							
25.85		õ	n Fam	134	2/22/	88	65	15	hh	30	7 77								
Station Pretoria, S. Africa Lat. 25, 85 Long. 28, 3E		0400-0800	0080-0		н -	75	6	6	0/	9	7	3							
\fric			Da	7	10	,7	8	10	1	9	7								
a.S. A				dm Fam	136	126	46	72	9	54	36	22							
Pretori				0400	0400	0400	0000-0400	0400	0400	0400	0400	0400	Fam Du De Vam Lam		1				
円 u		-00	u D	<i>w</i>	2	00	00	9 9	7	5- 6	7								
Statio		000	Fam D	138 6	133 /	11 011	95-10	6 69	619	39 's	4 66								
			Frequency (Mc)	510.	.051 133 10	160	-c64.	2.5	1,20	10	,								

 F_{am} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power

2.0

0

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

2			1	5.	2	29	7		10	12	7									
96		400	V _{dm}	9.0	10.0	9.5	6.5,	اق کا	6 6.5 10.	4 35 5	/5/									
_		-2	De	m	2	7 9.5- 16.	ل م	5 6.5 11.	9	7	_									
٥٧.		2000-2400	Da	7	5	9	9	0	8	6	٦									
Season Fall (Sept. Oct. Nov.) 1962		20	Fam	3 8.0 ps- 153 4 3 9.0 13	130	601	78 13 7 8.0 135 88 6 5 8.5 14	51 10 6 6.5 100 59 8	9 5 5.5 9.0 62	39	2 2,5 4,0 28 3 2 2,0 3,5 25 25 1 15 3.									
Oct.			mb-	125	13.0	14.5	135	0.0/	9.0	7.0	3.5									
		00	/dm	8.0	6.5	8.5	00	, s.	Sis	40	2.0									
Sept		-20	De	3	9	8	0	e	1,2	7	4									
		1600-2000	n	2	01	/3	3	10	6	5	~									
		16	Fam	/53	22	96	28	15	57	40 5 4 40 70 39	28									
Fa11			-F	15.0	/3.0	10.5	0,01	8,5	9.0	7.0	4.0									
S I	ST)	8	V _{dm}	10.0	9.5	6.5	6.0	6.0 8.5	0.0	45	15.5									
Seas		1200-1600	ρO	6	1,5	72	18 5 6.0 10.0	ч	5	7	4									
	1	8	n	7	10	17	18	9	10	7	~									
5臣	CKS	12	Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam La	3 9.0 13.0 15-1 4 3 10.5 14.5 152 4 3 10.0 15.0	5 105 165 116 11 7 11.0 155 1.7 10 5- 9.5 13.0 122 10 6 8.5 130 130 5- 9 10.0	8 11.5 170 85- 17 7 9.5 155 85 17 5 6.5 105 96 13 8 85 145 109 6	62	42 6	5 75 11.0 39 10 5 6.0 9.0	40 6.0 32 7 5 5.0 85 34 7 4 4.5 7.0	1 1.5 3.0 26 3 1 2.0 4.0 28									
40.	5	0800 - 1200 1200 - 1	Ld m	14.5	75,57	75.57	10.0	9,0	11.0	8.5	4.0									
Long. 140.5E	<u> </u>		Vdm	10.5	11.0	9,5	5 7.0 10.0	3 6,0 9,0	7.5	5.0	3.0									
Lo	M		300 – 15	ďq	6	7	7	5	m	5	5	_								
				8	٥	4	11	11	15	4	9	7	3							
Lat. 35.6N		80	Fam	15-1	116	85	51 29	5 7.0 11.0 44	6 6.5 105 39	32	26									
- -		0400-0800	00-0800	Ldm	13.0	16.5	17.0	7 8.0 135	0.//	10.5	6.0	3,0								
۲				100-0800	400-0800	800	Vdm	9.0	10.5	11.5	8.0	7.0	6.5	4.0	1.51					
						γq	0	7		7	4	9	^'n	_						
d						400	D	4	00	7/	5	0	∞	5	4					
Ohira, Japan			E G	152	124	46	69	53	5-6	34	26									
ja,		0000-0400	-0400))	Ld mb	/3.0	17.5	16.5	16.0	0.77	9.0	5.0	3.0						
Ohio				Vdm	9.0 /3.0	4 11.0 17.5	9.0 16.5	9.0	7.0	6.0	3.0	1,0								
_				0-	0-	0-0	0-0	0-0	0-0	0-	0-0	0-0	ďQ	W	7	7	9	9	72	ω
ion.			Dn	4	لم	9	00	9	1,2	7	_									
Station		ŏ	Fam Du De Vam Lam	/53	/3/	111	68	19	5-8	34	72/									
			Frequency (Mc)	, 0/3	,057	. 160	195	2.5	12	0/	20									

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 $V_{dm} = \text{median deviation of average voltage in db below mean power}$

				-F	15.0	17.0	17.0	75.5	72.5	9.5	7.5	6,									
9.62		9	Vdm	9.5	10.0	9.5	8,5	2.0	5:5	40	3.0										
		-2	De	4	5	4	9	5	7	ħ	~										
nı g		2000-2400	ρn	4	7	72	7	*	2	7	~										
4		2	Fam	156	7 7 11.5 20.0 137 5 5 10.0 17.0	3	95	65	5-9	8 4	26										
Tuly			Ldm	16.0	0.00	19.0	18.0	/3.5	0//	8.0	6.5										
1		8	/dm	10.0	11.5	70.5	s.	7.5	6.5	5,0	70										
ne		1600-2000	Za	7	,	00	۵/	0	7	n	7										
년 년		8	۵	7	7	6	70	6	5	9	7										
Season Summer (Inne Inly Aug.) 1962_		9	F. E.	159	137	117	92	90	5,6	47	00										
mon			- Ep	18.5	21.0	33.5	Shr	16.0	5'51	/3.5	6.5										
S NO		8	/dm P	11.5	12.5	/3.5	/3,5	9.5	0.0/	8.5	4.0										
seas	(TS	9 -	De	7	∞	۲/	7-1	11	0	6	3										
	(L.S	8	ص	9	11	1/	61	25	/3	10	2										
8臣	TIME BLOCKS (LST)	1200-1600	De Vamlan Fan Du De Vamlan Fan Du De Vamlan Fan Du De Vamlan Fan Du De Vamlan Fan Du De Vamlan	4 BS R.S 155 6 4 130 195 158 6 4 115 185 159 5 4 100 160 156 4 4 9.5 150	7 12.0 19.5 129 10 10 16.0 25.5 /34 11 8 12.5 21.0 137	0.51 2.6 2 2 0 cg 0.91 2.01 8 9 711 255 235 151 61 01 cg 0.61 11 16 401 0.66 0.61 11	10 12.0 21.5 71 29 13 13.0 21.6 85 19 14 135 245 92 10 10 9.5 18.0 95 5 6 8.5 155	7 8.5 15.0 37 22 8 10.0 15.0 42 25 11 9.5 16.0 60 9 9 7.5 135 65 4 5 7.0 125	6 7.0 1/15 38 13 8 10.0 15.5 42 13 9 10.0 15.5 56 5 6.5 11.0 59 4 4 5.5 9.5	4 5.0 75 36 10 5 9.0 14.0 39 10 5 8.5 13.5 47 6 2 5.0 8.0 48 4 4 40 7.5	1 3.5 45 23 8 2 40 6.0 26 7 3 40 65 28 4 2 40 6.5 26 3 2 3.0 5.0										
03.	0		Ę.	19.5	75,54	0.4	2./2	15.0	15:5	14.0	6.0										
	Ш	8	J mb/	/3.0	16.0	/3.0	/3.0	0.0/	0.0/	9.0	20										
Long	Σ	0800 - 1200	00	7	0/	11	5	00	00	6	8										
		8	۵	9	0/	à	50	7	/3	10	00										
3N		08	Fam	15.55	601	ho/	7/	37	38	36	23										
크			mb-	6.5	19.5	٥ جُ	7.5	15.0	7.5	7.5	15/										
La		8	Vdm L	0.5	3.0	9.0	0.8	8.5	7.0 /	5,0	, 5, 5										
9		80) ¥ Q	1	7	1	0/	7	e	7											
lay		0400-0800	D _u	15	2	6	14	9	5	00	べ										
M		9	04	0	0	04	Fam Du De Vam Lam Fam Du	151	9.5 150 135	911	84 14	19	5.3	39	24						
ore			Ę.	14.5	15.0	/e.s_	17.0	12.0	9.5	7.5	t. 0.										
ngaj		000-0400	0000-0400	000-0400	000-0400	000-0400	00-0400	/dm/L	9.0	3.5	9.0 16.5 116	9.0	7.0	5.5	4.5	2.0 4.0 24					
Si								00-0	000-07	000-07	000-07	000-00	ďq	7	ری	9	2	1,5	9	5 4.5	_
on -													00	00	٥	6	4	1,5	6	12	7
Station_Singapore, MalayaLat.1.3NLong103.8E		00	Fam	157	138	121	95	65	57	4,	200										
			Frequency (Mc)	. 0/3	150"	160	.545	2.5	5	10	07										

Fam = median value of effective antenna noise in db above ktb

 D_u = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-14

DECOMPTREE OF

2			٦	7.	17.	0%	15.5	7.	10.	7.	15			
9 6		400	V _{dm}	9.0	10.5	9.5	8.0	8.5	5.9	5:5	3.0			
		-2	DR	n	7	√>	9	5	7	7	8			
Jov.		2000-2400	na	7	7	7	12	12	12	9	m			
Season Fall (Sept. Oct. Nov.) 19 62		50	Fam	160	140	122	95	7 8,0 13,5 65 5 5 85 14	60	34	76			
Oct.			Ldm	16.5	19.5	0.61	16.5	73.5	1/.5	6,5	5.5			
4		1600-2000	Vdm	0.0/	11.0	0.0/	8.5	% %	6.5	6.0	4.0			
pt.			DL	ری	7	9	9	7	9	7	3			
Se		000	na	4	5	. 9	7	00	7	7	~			
		160	Fam	79/	141	119	46	5-9	56	47	26			
7a11			Ldm	19.0	21.5	مرچر	21.0	15.5	755/	70.5	2,5,7			
on I		000	Vdm	11.5	/3.0	/3.5	11.5	0.0/	10.0	9.0	35			
Seas	ST)	1200-1600	DR	7	6	15	1/6	72	0/	7	જ			
	۳	00	na	7	9/	۲/	16	23	15	2	10			
8臣	TIME BLOCKS (LST)	12	Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam	4 10.5 16.5 16.0 4 3 40 01.0 16.1 15 19.0 16.0 16.5 16.0 4 3 9.0 14.	9 11 155 255 138 10 9 13.0 215 141 5 7 11.0 19.5 140 4 4 10.5 17.3	9 120 20 104 16 12 155 265 116 12 15 135 20 119 6 6 10.0 19.0 19.0 10.0 18.0 18.	10 10 11,5 20,5 73 22 13 12,0 21,0 94 16 11,5 21,0 94 7 6 8.5 11,5 8.5 16.5 8.0 15.5	7 10.0 16.5 34 14 6 85/25 46 23 12 10.0 155	10 10 9,0 13.5 42 15 10.0 135 56 5 6 6.5 11.5 60 5 4 6.5 10.01	5.4 5.5 6.5 35 7 5 9.5 120 40 7 5 9.0 105 47 4 4 6.0 6.5 48 6 4 5.5 70	3 1 2,5 3.5 23 4 1 3.0 45 26 10 2 35 5.5 26 3 3 4.0 5.5 26 3 2 3.0 5.4			
103.	Š		-dm	21.0	اکخم	26.5	27.0	2,5	/3,5	13.0	45			
	9. L	0800-1200	Vdm	14.0	15.5	15.5	0.0	8.5	9.0	9.5	30			
Lo O	TIM		De	5	11	/2	/3	٠	10	6	_			
			0800	Du	5	6	16	4	14	10	7	7		
ya Lαt. 1, 3N Long. 103, 8E				8	ŏ	Fam	157	6 12.0 20.0 130	104	73	34	8 8.0 12.0 35	35	7
1		0400-0800	Ldm	165	20.0	22.0	20.5	76.5	12.0	5'9	3.57			
٦			100-0800	Vdm	70.5	0.0/	0.0	11.5	0.0/	8.0	2,5	,v,		
				400-08	Õ-	γQ	4	9	0	10	7	00	7	
laya					Du De Vam Lam	7	9	9	10	1,2	9	4	~	
Station Singapore, Malay			Fam	9.5 15.0 159	5 9.5 16.0 136	1/3	2	59	3	40	1 2.0 3.5 23			
ore			Ldm	15.0	16.0	17.5	16.0	8.0 14.0	7 6.0 100	7.0 S.S 4	5.5			
ngar		0000-0400	400	Vdm	9.5	9.5	5 9.5 17.5	7.5 16.0	80	6.0	5.0	8.0		
Si		0-0	ď	4	5	12	7	12	2	4				
ion		200	Da	4	ħ	8	7	4	ک	9	~			
Stat		ŏ	Fam Du De Vam Lam	160	041	727	the	67	5-9	14	24 2			
			Frequency (Mc)	. 0/3	150.	. /60	-SHS.	2.5	72	0/	00			

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Fam = median value of effective antenna noise in db above ktb

 $D_{\mathbf{u}}$ = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 $V_{\mbox{d}m}$ = median deviation of average voltage in db below mean power

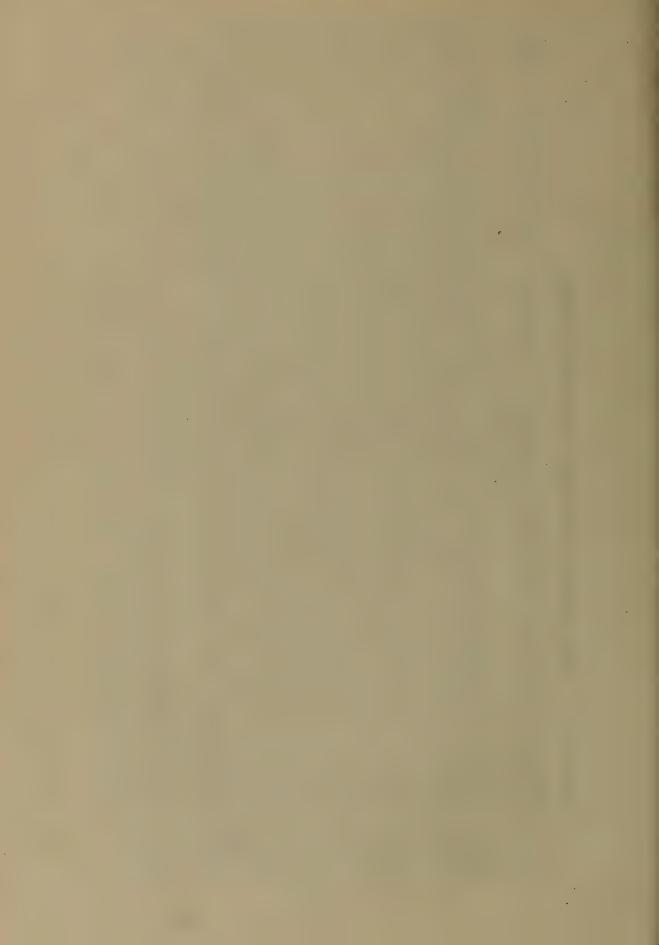
			Ldr	9.0	/3.0	9.5	7.5 10.0				
96		400	Vdrr	2 7.0	2 10.0 13.0	2 7.5 9.5	7.5				
_		-2	βQ		~	٧	7	00	7	5	٨
×		2000-2400	Du	4	~	9	7	14	12	72	n
(Sept. xxx xxx) 1962			Fam	2 5.0 7.0 140	118	82	63	71 78	33	61	36
X			L'dm	7.0	12.5	7.0 10.0	0.0/				
×		8	V _{dm}	5.0	0.0/	7.0	7.0				
pt		-2(70		/	7	マ	4	12	9	3
Se)		1600-2000	na	8	1	9	5	33 14	9	7	4
		91	Fam	138	811 2.5/ 0.01 / 1 /1 711 2.5/ 1.8	6	49	33	9 50	کدھ	h 58
Fa11			L dm	8.0	12.5	10.0	7.0 10.0				
NO.		900	V _d m	6.5	0.0/	2 7.5 10.0	7.0				
Season Fall	ST)	-16	DE	4	٦	~	٦	9	7	Μ	~
	3	00	۵	ή	1	9	5	15-	9	1,2	17
M,	TIME BLOCKS (LST)	1200-1600	Fam	3 6.5 9.0 138 4 2 65 8.0	L 911	48	63	36 15	23	16	2 5 82
68.	Z O		Ldm	9.0	0 11.0 13.5	8.0 10.0	7.5 10.0				
g.	E	003	Vdm	6.5	1/.0	8.0					
L _o	₩ I	0800 - 1200	Ja		0	ત	ィ	4	1	m	~
			Du	3	٧	00	6	9/	6	5	5
Lat. 76.6N Long. 68.7W		80	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	2 7.0 9.0 139	1 10.0 13.5 116	81	2 7.5 9.5 63	33	22 6	14	28 5 3
H. 7			Ldm	9.0	/3.5	2 7.5 10.0	9.5				
۲		90	V _d m	2.0	10.0	7.5	7.5				
		-0800	ďQ	ત	1	々	~	0/	ک	₩.	8
land		0400	on O	m	ત્ર	9	00	て	7	h	7
Station Thule, Greenland		Ŏ	Fam	140	3 10.0 125 116	18	63	39	28	9/	26
5		0	L dm	2 7.0 9.0	25/	2 8.0 10.0	9.0				
hule		400	V _d m	7.0	0.0/	8.0	7.0				
T		0-(ďQ			_	0	9	7	3	/
ion		0000-0400	n	7	_	9	9	9/	00	اک	7
Star		Ŏ	Fam Du De Vam Lam	140	811	9 18	63	36	30	15	77
			Frequency (Mc)	4 041 E10	1811	160	-495-	2.5	-5	10	20

Fam = median value of effective antenna noise in db above ktb

V_{dm} = median deviation of average voltage in db below mean power D_{u} = ratio of upper decile to median in db D_{ℓ} = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power

* * * No October or November Data



U. S. DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS

A. V. Astin. Director



THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

WASHINGTON, D.C.

Electricity. Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics. High Voltage.

Metrology, Photometry and Colorimetry, Refractometry, Photographic Research, Length, Engineering Metrology, Mass and Scale, Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements, Cryogenic Physics. Equation of State. Statistical Physics. Radiation Physics. X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

Analytical and Inorganic Chemistry, Pure Substances, Spectrochemistry, Solution Chemistry, Standard Reference Materials, Applied Analytical Research, Crystal Chemistry.

Mechanics, Sound, Pressure and Vacuum, Fluid Mechanics, Engineering Mechanics, Rheology, Combustion

Polymers. Macromolecules: Synthesis and Structure. Polymer Chemistry. Polymer Physics. Polymer Characterization. Polymer Evaluation and Testing. Applied Polymer Standards and Research. Dental Research.

Metallurgy. Engineering Metallurgy. Microscopy and Diffraction. Metal Reactions. Metal Physics. Electrolysis and Metal Deposition.

Inorganic Solids. Engineering Ceramics. Glass. Solid State Chemistry. Crystal Growth. Physical Properties.

Building Research. Structural Engineering. Fire Research. Mechanical Systems. Organic Building Materials. Codes and Safety Standards. Heat Transfer. Inorganic Building Materials. Metallic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering, Mathematical Physics. Operations Research.

Data Processing Systems. Components and Techniques. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Far Ultraviolet Physics. Solid State Physics. Electron Physics. Atomic Physics. Plasma Spectroscopy.

Instrumentation. Engineering Electronics. Electron Devices. Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

Physical Chemistry. Thermochemistry. Surface Chemistry. Organic Chemistry. Molecular Spectroscopy. Elementary Processes. Mass Spectrometry. Photochemistry and Radiation Chemistry.

Office of Weights and Measures.

BOULDER. COLO.

Cryogenic Engineering Laboratory, Cryogenic Equipment, Cryogenic Processes, Properties of Materials, Cryo-

CENTRAL RADIO PROPAGATION LABORATORY

Ionosphere Research and Propagation. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services. Vertical Soundings Research.

Radio Propagation Engineering. Data Reduction Instrumentation. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation-Terrain Effects. Radio-Meteorology. Lower Atmosphere Physics.

Radio Systems. Applied Electromagnetic Theory. High Frequency and Very High Frequency Research. Frequency Utilization. Modulation Research. Antenna Research. Radiodetermination.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. High Latitude Ionosphere Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.

RADIO STANDARDS LABORATORY

Radio Physics. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time-Interval Standards. Radio Plasma. Millimeter-Wave Research.

Circuit Standards. High Frequency Electrical Standards. High Frequency Calibration Services. High Frequency Impedance Standards. Microwave Calibration Services. Microwave Circuit Standards. Low Frequency Calibration





